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Overview

ORGANIZATION

The Electrical section of the 2007 Medium Duty C Series Body Builder Manual is not split between Family 2 and Family 3 trucks. The Electrical systems are common between the families. Any family specific requirements are called out in the attached documentation. This document is organized as follows:

A. Systems Operation – How it works.

B. Component Locator – Where it is.

C. Connectors & Pinouts – What it looks like, and finally,

D. Subsystem Schematics – Detailed wiring and electrical schematic information.

WHAT'S NEW FOR THE MEDIUM DUTY C SERIES

- Major changes for 2007 include:
  - Interim model year introduction of New Diesel Emissions hardware and software on 6.6L (LMM) & 7.8L (LF8) diesel engines, including a Diesel Particulate Filter (DPF)
  - The GM Tech II diagnostic tool cannot be used on the 2007i emissions compliant 7.8L (LF8) diesel engine. The laptop-based Isuzu Diagnostic Service System (IDSS) must be used instead. See more information on the IDSS tool at www.isuzutruckservice.com
  - Addition of a Remote PTO Connector on 2007i 7.8L (LF8) diesel engine

- The 2007 manual includes schematics for every sub-system in the vehicle.

- A **Schematic Description and Navigation instructions** can be found at the beginning of Section D. This document helps you understand how the schematics are organized and how to read them.

(continued on next page)

(Overview — continued from previous page)

SPECIAL INTEREST TO UPFITTERS

Connectors have been provided to allow easy interface for upfitter equipment rather than splicing into existing harnesses. These subsystems and connectors include:

- Upfitter Provision – PTO related functions
- Trailer Wiring – Class two and three vehicles
- Body Builder Connector – exterior lighting and signaling, power, and 128k Pulse per Mile VSS
- A Ground Block located next to the Body Builder Connector for easy ground termination
- Revised Transmission Optional Connector
- New Remote PTO Connector (7.8L diesel)

Navigation

The Table of Contents and Index items are linked to the actual page. Click on the item of interest and you'll go to the corresponding page. You can return with the "previous page" arrow in the upper center of the screen. Other links embedded in the document are hi-lighted in blue.

Viewing

The size (%) control is located in the lower left corner of the screen. Click the down arrow and select "fit in window" (62%) or "actual size" (100%) for most viewing applications. You can zoom in schematic detail by selecting a larger percentage.

Printing

Specific pages can be printed out. Be careful to select a print range or "current page" or all 426 pages will be printed.

Information provided is believed to be accurate at the time of publication. GM reserves the right to change the information at any time.

System Operating Instructions

UF3 – Fast Idle Option – Electrical Requirements

OUTLINE

- Overview
- Engine/Transmission Variations
- Factory Installed Equipment
- Upfitter Installed Equipment
- Operation
- Appendix
    - Reprogramming the PCM / Using the Tech 2 Scan Tool – (Attachment 1)
    - Illustrations
        - IP Switch Panel (Figure 1)
        - Fast Idle Switch (Figure 2)

OVERVIEW

The UF3 fast idle option allows the operator to push a switch and raise the engine speed to a predetermined Idle RPM value. This feature can only be used when the vehicle is stationary. Examples of Fast Idle applications are battery charging, idle operation of High Electrical Load vehicles, quick warm ups, and improved AC performance.

Scope

The GM (UF3) option described here is the necessary electrical and electronic content to control the engine idle speed. This is not a description of how to install these features if not ordered as part of the option. Base factory settings and procedures to change the factory settings are described here. Responsibility for proper and safe operation for any additional equipment remains with the Upfitter.

(PTO) vs. (UF3) Fast Idle

The (PTO) option allows for increased engine speed operation for increased power output to the PTO unit. The (UF3) fast idle option also allows for increased engine speed but is used for quick warm up, A/C performance, or battery charging. The (PTO) Power Take Off and (UF3) fast idle options are mutually exclusive on the same vehicle with the L18/LLY/LMM/LG4/LF8 engines.

ENGINE/TRANSMISSION VARIATIONS

The 2007 Medium Duty C Series uses 6 engines as shown below:

Engine RPO	Engine Description	Truck Family Available
L18	8.1L V8 GMPT VORTEC® - Gas	2 & 3
LLY	6.6L V8 Isuzu DURAMAX® - Diesel	2
LMM	6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions	2
LG4	7.8L L6 Isuzu 6H - Diesel	3
LF8	7.8L L6 Isuzu 6H - Diesel w/2007i Emissions	3
LG5	7.2L L6 Caterpillar® - Diesel	3

FACTORY INSTALLED EQUIPMENT

The UF3 fast idle option includes the Fast Idle Switch, the Fast Idle Indicator Lamp and necessary wiring to the ECM for operation.

- Fast Idle Switch - Use to increase Engine speed to a preset value.
- Fast Idle Indicator Lamp – ECM turns on light to indicate operation in the Fast Idle Mode. This indicator is in the switch.

UPFITTER INSTALLED EQUIPMENT

No upfitter installed equipment is required to operate the function. Responsibility for proper and safe operation for any additional equipment remains with the Upfitter.

OPERATION

Description

Vehicles ordered with the **UF3 (Fast Idle)** option come with a dash mounted switch which allows the user to increase the engine idle speed to a fixed value. The Fast Idle Switch is located to the right of the steering wheel as shown in the illustration (Figure 1). An indicator in the switch lights to show Fast Idle mode is active.

How To Operate

To enable the Fast Idle, the following conditions must be met:

1. Engine must be running
2. Transmission must be in Park or Neutral
3. Vehicle speed must be less than 5 mph
4. Brake or Clutch must not be depressed.

When the above conditions are met, the operator can activate the Fast Idle mode by pressing the Fast Idle Switch. If the switch is pressed

Engine Calibrations

The factory preset and minimum and maximum programmable speeds are shown in the table below for the **L18/LLY/LMM/LG4/LF8 engines:**

PROGRAMMABLE PARAMETERS	DEFAULT SETTINGS (RPM)	MINIMUM VALUE (RPM)	MAXIMUM VALUE (RPM)	ADJUSTMENT RESOLUTION (RPM)
Maximum Fast Idle Speed *Accelerator Disables Fast Idle*	2500	1000 *Can't be set below base Fast Idle Speed Parameters*	3800	25
Base Idle Speed	1200	600 *Normal engine idle will override if higher than Fast Idle.*	1300 *Cannot be set above the maximum Fast Idle Speed Parameter*	25

Note: The Values shown in the above chart are accurate at the time of publication but may change in time for various reasons including running changes made to the ECM, Calibrations, Tech 2 programming, software. Etc.

Caterpillar LG5 Engine

Base Fast Idle is set at the Factory to **1000 RPM**. Fast Idle can be programmed from **700 to 2640 RPM.**

Adjusting the Factory Preset Engine Speed

The Above parameters can be reprogrammed with a GM Tech 2 Diagnostic scan tool for the L18/LLY/LMM/LG4/LF8 engines. The Tech 2 connects to the Data Link Connector under the dash. Information regarding reprogramming with the Tech 2 tool can be found in the Appendix. (Attachment 1). Reprogramming the LG5 engine requires a Caterpillar electronic service tool.

APPENDIX

Reprogramming the PCM / Using the Tech 2 Scan Tool
(Attachment 1)

Illustrations
Location of Fast Idle Switch and Indicator – (Figure 1)
Switch Detail – (Figure 2)

System Operating Instructions

PTO – Power Take Off Option – Electrical Requirements

OUTLINE

- Overview
- Engine/Transmission Variations
- Vocation/Modes
- Factory Installed Equipment
- Upfitter Installed Equipment
- Operation *
  - Stationary Preset Mode
  - Stationary Variable Mode
  - Mobile Variable Mode
  - PTO Engine Shutdown
  - Remote Operation
- Appendix
  - Reprogramming the PCM / Using the Tech 2 Scan Tool – (Attachment 1)
  - Illustrations
    - Location of PTO Switch and Indicator – (Figure 1)
    - PTO Switch Detail – (Figure 3)

Note: *Caterpillar has different programming capability. See your dealer for more information.

OVERVIEW

A Power Take Off (PTO) is a gearbox or mechanical device used to transmit mechanical power from the powertrain, through gears or a transmission, to another mechanical or hydraulic device. Examples of PTO applications are: salt spreaders, refuse equipment, plows, pumps, drills, lifts, wrecker equipment, dump bodies, fire/rescue equipment, etc.

PTO Advantages

- PTO's are inexpensive, convenient, safe and reliable.
- PTO's bolt on to the transmission, engine, transfer case or can be incorporated into the accessory belt drive system.
- PTO's eliminate the need for a complex array of levers, controllers, electric motors, etc., which would be required to duplicate the operation of a PTO.

Scope

The PTO unit itself is installed by the Upfitter or Specialty Vehicle Assembler on the vehicle. The GM (PTO) option described here is the necessary electrical and electronic content to control the PTO unit. Responsibility for proper and safe operation remains with the Upfitter. Other PTO related RPO's such as V66 (mechanical provisions for Front PTO) are not addressed here.

(PTO) vs. (UF3) Fast Idle

The (PTO) option allows for increased engine speed operation for increased power output to the PTO unit. The (UF3) fast idle option also allows for increased engine speed but is used for quick warm up, A/C performance, or battery charging. The (PTO) Power Take Off and (UF3) fast idle options are mutually exclusive on the same vehicle with the L18/LLY/LMM/LG4/LF8 engines.

ENGINE/TRANSMISSION VARIATIONS

The 2007 Medium Duty C Series uses 6 engines as shown below:

Engine RPO	Engine Description	Truck Family Available
L18	8.1L V8 GMPT VORTEC® - Gas	2 & 3
LLY	6.6L V8 Isuzu DURAMAX® - Diesel	2
LMM	6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions	2
LG4	7.8L L6 Isuzu 6H - Diesel	3
LF8	7.8L L6 Isuzu 6H - Diesel w/2007i Emissions	3
LG5	7.2L L6 Caterpillar® - Diesel	3

Many transmissions are available on the 2007 Medium Duty C Series. 13 manual and six automatics are available on Family 3 trucks alone. The Caterpillar engine and some Allison transmissions have dedicated PTO connectors that interface with their control modules. The Engine Controller and Transmission Controller communicate with each other on a high-speed serial data link. The PTO functions are interfaced to the ECM on 2007 Medium Duty C Series to reduce variation in wiring and function. The LG5 Caterpillar engine requires different PTO wiring from the other engine applications but functions in a similar manner. Specific wiring is supplied with the PTO option.

VOCATION/MODES

The primary difference in PTO operation is whether the vehicle is stationary or moving. Stationary operation can have either preset or variable PTO speeds. Some examples of modes and vocations are:

- Stationary Preset – Three preset high idle speeds – Refuse & Wrecker equipment, Fire truck pumpers,
- Stationary Variable – Variable high idle speeds - Drills, Lifts,
- Mobile Variable – Allows variable PTO speeds while the vehicle is moving – Salt Spreaders, Plows, Street Cleaners.

Note: The ECM can be programmed to only one of these modes at any given time. Caterpillar has different programming capability. See your dealer for more information.

FACTORY INSTALLED EQUIPMENT

The PTO option includes the PTO Enable Switch, PTO Relay, K34 Cruise Control Switch, Upfitter Connector to allow optional Upfitter installed switches, and necessary wiring.

- PTO Enable Switch – Located on Dash
- PTO Relay – Turned on by ECM, Provides power for Engage Switch and Load Solenoid.
- K34 Cruise Control Switch – Steering column mounted - use to adjust idle speeds under PTO operation.
- Upfitter Connector – allows interconnection of optional Upfitter installed switches.

UPFITTER INSTALLED EQUIPMENT

Optional Upfitter installed equipment includes Remote PTO Up / Down Switches, PTO Load Engage Switch, PTO Load Solenoid, and Remote Kill Switch. All of these devices interface with the Upfitter Connector.

- Remote PTO Up / Down Switches – Same function as Cruise Control Switches, allows operation outside of Cab for Stationary PTO applications.
- PTO Load Engage Switch – Allows for positive action feedback to ECM for before idle speed is increased. A 5 sec (calibrated) delay occurs without this feedback.

  Note: The Caterpillar ECM does not provide a feedback for PTO operation.
- PTO Load Solenoid – Causes PTO engagement if so equipped.
- Remote Kill Switch – This Normally Closed Switch allows the operator to stop the engine for remote Applications.

OPERATION

Description

The PTO RPO is an option that allows the user to raise the engine speed through the use of designated switches and ECM programming. The ECM can be programmed to one of the following three PTO modes:

- **Stationary Preset mode** – Three preset high idle speeds. Vehicle must be stationary.
- **Stationary Variable mode** – Variable high idle speeds. Vehicle must be stationary.
- **Mobile Variable mode** – Allows variable PTO speeds while vehicle is moving.

These PTO modes are addressed separately and in detail in the following pages.
Please note the ECM can be programmed to only one of the three modes at any one time.

PTO Switches

Vehicles ordered with the **PTO** option come with an IP mounted switch which allows the user to enable the function. The PTO Switch is located to the right of the steering wheel as shown in the illustration (Figure 1 & Figure 3). An indicator in the switch lights to show PTO mode is active. The engine speed can then be changed with either the cruise control switches or upfitter installed remote PTO switches. Cruise Control Switches come with the PTO option on the 2006 Medium Duty C Series. The following chart shows how the switches operate.

	PTO SWITCH CONVERSION CHART	
PTO w/Cruise Switch Operation	**Remote PTO Switch Operation**	**Function**
Cruise On/Off	N/A	Cruise Switch Enable
PTO Enable	N/A	PTO Enable
SET	PTO Down	Lower RPM
RES	PTO Up	Raise RPM

Stationary Preset Mode

Description

The Stationary Preset Mode allows the user to select from three high idle speeds which are programmed in the ECM. The user can toggle between three preset speeds using the SET or RES switches or the Remote PTO Switches.

How To Operate

Prior to enabling the Stationary PTO Mode, the following conditions must be met:

1. Engine must be running.
2. Transmission must be in Park or Neutral.
3. Vehicle speed must be less than 5 mph.
4. Brake or Clutch must not be depressed.

When the above conditions are met, the operator can activate the Stationary PTO by the following sequence:

1. Set the Park Brake.
2. Set the Cruise On/Off Switch to the On position – L18 only.
3. Set PTO Enable Switch to On position.

Upon Completion of the above steps, the PTO Stationary Preset Mode will be enabled and the engine speed will increase to the PTO Base Idle Speed. Toggling the SET and RESume switches will cause the engine RPM to change from normal to either the PTO Preset #1 or PTO Preset #2 speed depending on which switch is pressed first.

Note: LLY/LG4 – ECM enables PTO relay with switch activation. Once on, the ECM won't turn the relay off until the switch is turned off.

Any changes in the above conditions, including depressing the brake or clutch pedals or shifting an automatic transmission in gear, will disable the Stationary Preset Mode causing the engine to return to normal base idle.

Note: L18 - Using the Accelerator to raise the engine above the Maximum Fast Idle Speed will result in disabling the PTO Stationary Preset Mode.
LLY/LG4 – Engine will be governed to PTO Max engine speed with throttle activation. Engine speed will return to pre-activation value after the pedal is released.

Engine Calibrations

The factory preset and minimum and maximum programmable speeds are shown in the table below for the **L18/LLY/LMM/LG4/LF8 engines:**

PROGRAMMABLE PARAMETERS	DEFAULT SETTINGS (RPM)	MINIMUM VALUE (RPM)	MAXIMUM VALUE (RPM)	ADJUSTMENT RESOLUTION (RPM)
Maximum Fast Idle Speed *Accelerator Disables Fast Idle*	2500 – *L18* 2200 – *LLY/LG4*	1000 *Can't be set below base Fast Idle Speed Parameters*	3800 – *L18* 2200 – *LLY/LG4*	50
PTO Base Idle Speed	1200 – *L18* 850 – *LLY/LMM* 1000 – *LG4/LF8*	600 *Normal engine idle will override if higher than Fast Idle.*	1300 – *L18* 1400 – *LLY/LG4* *Cannot be set above the maximum Fast Idle Speed Parameter*	50
PTO Preset #1	1200 – *L18* 1250 – *LLY/LMM* 1400 – *LG4/LF8*	1000 *Can't be set below base Fast Idle Speed Parameters*	Maximum Fast Idle Speed	50
PTO Preset #2	1800 – *L18* 1700 – *LLY/LG4*	1000 *Can't be set below base Fast Idle Speed Parameters*	Maximum Fast Idle Speed	50
PTO Relay Engage Max Engine Speed	1000 – LLY/*LG4/LF8*	600	Maximum Fast Idle Speed	50

Note: The Values shown in the above chart are accurate at the time of publication but may change in time for various reasons including running changes made to the ECM, Calibrations, Tech 2 programming, software. Etc.

Caterpillar LG5 Engine

PTO Engine RPM Set Speed is factory set at 1200 rpm. PTO Engine RPM Set Speed can be programmed between 700 and 2640 rpm.

Adjusting the Factory Preset Engine Speed

The Above parameters can be reprogrammed with a GM Tech 2 Diagnostic scan tool for the L18/LLY/LMM/LG4/LF8 engines. The Tech 2 connects to the Data Link Connector under the dash. Information regarding reprogramming with the Tech 2 tool can be found in the Appendix (Attachment 1). Reprogramming the LG5 engine requires a Caterpillar electronic service tool.

Stationary Variable Mode

Description

The Stationary Variable Mode allows the user to retain the engine speed at a desired value through the use of the accelerator pedal and the SET or RES switch. The engine speed must be greater than the PTO Base Fast Idle Speed and lower than the Maximum Fast Idle Speed.

How To Operate

Prior to enabling the Stationary Variable PTO Mode, the following conditions must be met:

1. Engine must be running
2. Transmission must be in Park or Neutral
3. Vehicle speed must be less than 5 mph
4. Brake or Clutch must not be depressed.

When the above conditions are met, the operator can activate the Stationary Variable PTO by the following sequence:

1. Set the Park Brake.
2. Set the Cruise On/Off Switch to the On position – L18 only.
3. Set PTO Enable Switch to On position.
4. Depress the Accelerator pedal to obtain the desired high idle speed.
5. Press the SET button to hold engine at the desired high idle speed.

The SET and RES switches can then be used to adjust the engine speed within the Maximum and Minimum RPM values shown in the Engine calibration table (Table A). The adjustment increments are 25 RPM (L18/LG4/LF8), 100 RPM (LLY/LMM). This function with the remote switches as well as the cruise control switches.

PTO – STATIONARY VARIABLE MODE FUNCTION CHART		
SWITCH	**SET**	**RES**
PRESSING ONCE	Engine speed will decrease by **25 RPM** (L18/LG4/LF8), **100 RPM** (LLY/LMM) decrements and will maintain the new engine speed value. Engine speed can be decreased down to the engine base idle speed value. If engine speed is at this value, all SET inputs will be ignored.	Engine speed will increase by **25 RPM** (L18/LG4/LF8), **100 RPM** (LLY/LMM) increments and will maintain the new engine speed value. Engine speed can increase up to the maximum fast idle speed value. If engine speed is at this value, all RES inputs will be ignored.
HELD	Decelerates engine down to the engine base idle speed value.	Increases engine speed up to the maximum fast idle speed value.

Note: If the Stationary Variable Mode is disabled (i.e., brake depressed), it may be re-enabled by pressing the RES switch. This will cause the engine to resume the speed it was prior to disabling.

TABLE "A" — *Engine Calibrations*

The factory preset and minimum and maximum programmable speeds are shown in the table below for the **L18/LLY/LG4 engines:**

PROGRAMMABLE PARAMETERS	DEFAULT SETTINGS (RPM)	MINIMUM VALUE (RPM)	MAXIMUM VALUE (RPM)	ADJUSTMENT RESOLUTION (RPM)
Maximum Fast Idle Speed *Accelerator Disables Fast Idle*	2500 – *L18* 2200 – *LLY/LMM/LG4/LF8*	1000 *Can't be set below base Fast Idle Speed Parameters*	3800 – *L18* 2200 – *LLY/LMM/LG4/LF8*	25 – *L18/LG4/LF8* 100 – *LLY/LMM*
PTO Base Idle Speed	1200 – *L18* 850 – *LLY/LMM* 1000 – *LG4/LF8*	600 *Normal engine idle will override if higher than Fast Idle.*	1300 – *L18* 1400 – *LLY/LMM/LG4/LF8* *Cannot be set above the maximum Fast Idle Speed Parameter*	25 – *L18/LG4/LF8* 100 – *LLY/LMM*
PTO Relay Engage Max Engine Speed	1000 – *LLY/LG4/LF8*	600	Maximum Fast Idle Speed	50

Note: The Values shown in the above chart are accurate at the time of publication but may change in time for various reasons including running changes made to the ECM, Calibrations, Tech 2 programming, software. Etc.

Caterpillar LG5 Engine

PTO Engine RPM Set Speed is factory set at 1200 rpm. PTO Engine RPM Set Speed can be programmed between 700 and 2640 rpm. The PTO bump rate is 50 RPM.

Adjusting the Factory Preset Engine Speed

The Above parameters can be reprogrammed with a GM Tech 2 Diagnostic scan tool for the L18/LLY/LMM/LG4/LF8 engines. The Tech 2 connects to the Data Link Connector under the dash. Information regarding reprogramming with the Tech 2 tool can be found in the Appendix (Attachment 1). Reprogramming the LG5 engine requires a Caterpillar electronic service tool.

Any changes in the above conditions, including depressing the brake or clutch pedals or shifting an automatic transmission in gear, will disable the Stationary Variable Preset Mode causing the engine to return to normal base idle. Using the Accelerator to raise the engine above the Maximum Fast Idle Speed will result in disabling the PTO Stationary Variable Mode.

Mobile Variable Mode

Description

The PTO Mobile Mode allows the driver to maintain a desired engine speed (not vehicle speed) while the vehicle is moving. This feature is available with both manual and automatic transmissions. The engine speed must be greater than the PTO Base Fast Idle Speed and lower than the Maximum Fast Idle Speed. The Vehicle speed must be between the Minimum and Maximum Vehicle Speed Values.

How To Operate

To engage the PTO Mobile Variable Mode, the following conditions must be met in the following order:

1. Engine must be running
2. Transmission must be in gear.
3. Vehicle speed must be between the Minimum and Maximum Vehicle Speeds
4. Brake or Clutch must not be depressed.
5. PTO Enable Switch must be set to the On position

When the above conditions are met, the operator can activate the Mobile Variable mode by the following sequence:

7. Depress the Accelerator Pedal to obtain the desired engine speed.
8. Press the SET button to hold engine at the desired high idle speed.

The SET and RES switches can then be used to adjust the engine speed within the Maximum and Minimum RPM values shown in the Engine calibration table (Table B). The adjustment increments are 25 RPM (L18/LG4/LF8), 100 RPM (LLY/LMM).

PTO – MOBILE VARIABLE MODE FUNCTION CHART		
SWITCH	**SET**	**RES**
PRESSING ONCE	Engine speed will decrease by **25 RPM** (L18/LG4/LF8), **100 RPM** (LLY/LMM) decrements and will maintain the new engine speed value. Engine speed can be decreased down to the engine base idle speed value. If engine speed is at this value, all SET inputs will be ignored. If the vehicle reaches the Minimum Vehicle Speed Value, PTO mode will be disengaged.	Engine speed will increase by **25 RPM** (L18/LG4/LF8), **100 RPM** (LLY/LMM) increments and will maintain the new engine speed value. Engine speed can increase up to the maximum fast idle speed value. If engine speed is at this value, all RES inputs will be ignored. If the vehicle reaches the Maximum Vehicle Speed Value, PTO mode will be disengaged.
HELD	Decelerates engine down to the engine base idle speed. If the vehicle reaches the Minimum Vehicle Speed Value, PTO mode will be disengaged.	Increases engine speed up to the maximum fast idle speed value. If the vehicle reaches the Maximum Vehicle Speed Value, PTO mode will be disengaged.

Note: If the Stationary Variable Mode is disabled (i.e., brake depressed), it may be re-enabled by pressing the RES switch. This will cause the engine to resume the speed it was prior to disabling.

TABLE "B" — *Engine Calibrations*

The factory preset and minimum and maximum programmable speeds are shown in the table below for the **L18/LLY/LG4 engines:**

PROGRAMMABLE PARAMETERS	DEFAULT SETTINGS (RPM)	MINIMUM VALUE (RPM)	MAXIMUM VALUE (RPM)	ADJUSTMENT RESOLUTION (RPM)
Maximum Fast Idle Speed *Accelerator Disables Fast Idle*	2500 – *L18* 2200 – *LLY/LMM/LG4/LF8*	1000 *Can't be set below base Fast Idle Speed Parameters*	3800 – *L18* 2200 – *LLY/LMM/LG4/LF8*	25 – *L18/LG4/LF8* 100 – *LLY/LMM*
PTO Base Idle Speed	1200 – *L18* 1000 – *LLY/LMM/ LG4/LF8*	600 *Normal engine idle will override if higher than Fast Idle.*	1300 – *L18* 1400 – *LLY/LMM/LG4/LF8* *Cannot be set above the maximum Fast Idle Speed Parameter*	25 – *L18/LG4/LF8* 100 – *LLY/LMM*
Maximum Vehicle Speed Governing MPH	**20** – *L18* **80** – *LLY/LMM* **75** – *LG4/LF8*	3 MPH	**30** – *L18* **80** – *LLY/LMM* **255** – *LG4/LF8*	1
PTO Relay Engage Max Engine Speed	1000 – *LLY/LMM/LG4/LF8*	600	Maximum Fast Idle Speed	50

Note: The Values shown in the above chart are accurate at the time of publication but may change in time for various reasons including running changes made to the ECM, Calibrations, Tech 2 programming, software. Etc.

Caterpillar LG5 Engine

PTO Engine RPM Set Speed is factory set at 1200 rpm. PTO Engine RPM Set Speed can be programmed between 700 and 2640 rpm. The PTO bump rate is 50 RPM.

Adjusting the Factory Preset Engine Speed

The Above parameters can be reprogrammed with a GM Tech 2 Diagnostic scan tool for the L18/LLY/LMM/LG4/LF8 engines. The Tech 2 connects to the Data Link Connector under the dash. Information regarding reprogramming with the Tech 2 tool can be found in the Appendix (Attachment 1). Reprogramming the LG5 engine requires a Caterpillar electronic service tool.

PTO Engine Shutdown

Description

The PTO option includes provisions for PTO engine fault shutdown. This feature allows the operator to stop the engine while in PTO mode with an aftermarket installed switch. **If the truck is not in PTO mode, pressing the switch will have no effect on engine operation.** The PTO Upfitter Connector (located on the right side of the engine compartment near the right wheel) Component legend has been provided for installation of remote PTO controls. The upfitter can access the PTO engine fault shutdown circuits through this connector. The upfitter must provide the mating connector, wiring, and remoter switches shown on the Upfitter (PTO) Connector. To install this feature see the upfitter provisions schematics. Important. **If the PTO engine shutdown feature is to be used, it must be turned on in the ECM. If this feature is not turned on it will have no effect on the engine.**

The Above parameters can be reprogrammed with a GM Tech 2 Diagnostic scan tool for the L18/LLY/LMM/LG4/LF8 engines. The Tech 2 connects to the Data Link Connector under the dash. Information regarding reprogramming with the Tech 2 tool can be found in the Appendix (Attachment 1). Reprogramming the LG5 engine requires a Caterpillar electronic service tool.

Remote Operation

Description

The PTO Upfitter Connector (located on the right side of the engine compartment near the right wheel) Component legend has been provided for installation of remote PTO idle controls. The upfitter can access the PTO high idle circuits through this connector. The upfitter must provide the mating connector, wiring, and remoter switches shown on the Upfitter (PTO) Connector. Two momentary switched are required to duplicate the operation of the SET and RESume switches in the cab. The schematics showing the switches can be found on the Subsystem Electrical schematics under Upfitter Provisions. PTO UP switches duplicate the RES switch operation and the PTO Downswitch duplicates the SET switch operation. **Please note that the PTO high idle must still be enabled from the Cruise On/Off and the PTO enable switches in the cab.**

APPENDIX

Reprogramming the PCM / Using the Tech 2 Scan Tool – (Attachment 1)

Illustrations
- Location Illustrations
  - IP Switch Panel (Figure 1)
  - PTO Enable Switch – See Component Locations – (Figure 3)
  - Upfitter PTO Connector is shown in the connector and pin-out illustrations
- Connector Drawings
  - Upfitter Provisions Connector are shown in the connector and pin-out illustrations

- Circuit Schematic References *(Circuit Schematics are shown in the Subsystem Electrical Schematic portion of the Body Builders Manual)*
  - Upfitter Provision Connector – L18/LLY/LMM/LG4/LF8
  - Upfitter Provision Connector – LG5
  - L18 Gas Engine
  - Duramax 6.6L and 7.8L Diesel Engines
  - Caterpillar 7.2L Diesel Engine
  - PTO Operation w/Isuzu 7.8L Diesel Engine

ATTACHMENT 1

REPROGRAMMING THE PCM/ECM FOR FAST IDLE/PTO USING THE TECH 2 SCAN TOOL

The Tech 2 scan tool MUST be used to enable the Fast Idle and PTO options and adjust the factory preset parameters to desired settings. The Tech 2 menu driven device is a hand held scan tool that plugs into the datalink connector located underneath the dash near the driver's seat. Once the Tech 2 is connected, the following chart will guide the user.

STEP	CURRENT MENU	SELECT
1	MAIN	FO: DIAGNOSTICS
2	VEHICLE IDENTIFICATION	YEAR OF VEHICLE
3	VEHICLE IDENTIFICATION	MEDIUM DUTY TRUCK
4	SYSTEM SELECTION	FO: POWERTRAIN
5	VEHICLE IDENTIFICATION	LP4 OR L21
6	VEHICLE IDENTIFICATION	AUTOMATIC OR MANUAL
7	POWERTRAIN	F2: SPECIAL FUNCTIONS
8	SPECIAL FUNCTIONS	F3: PTO OPTIONS
9	CURRENT PTO SETTINGS	CHANGE OPTIONS
10	PTO OPTIONS	SEE MENU BELOW

TO ADJUST THE MODE OF OPERATION:

The PTO OPTIONS MENU will appear with the selections:

FO: FAST IDLE

FI: STATIONARY PRESET FAST IDLE

F2: STATIONARY VARIABLE FAST IDLE

F3: MOBILE VARIABLE FAST IDLE

Once the mode of operation is selected the **CURRENT PTO SETTINGS** menu will appear with the adjustable parameters for the current mode.

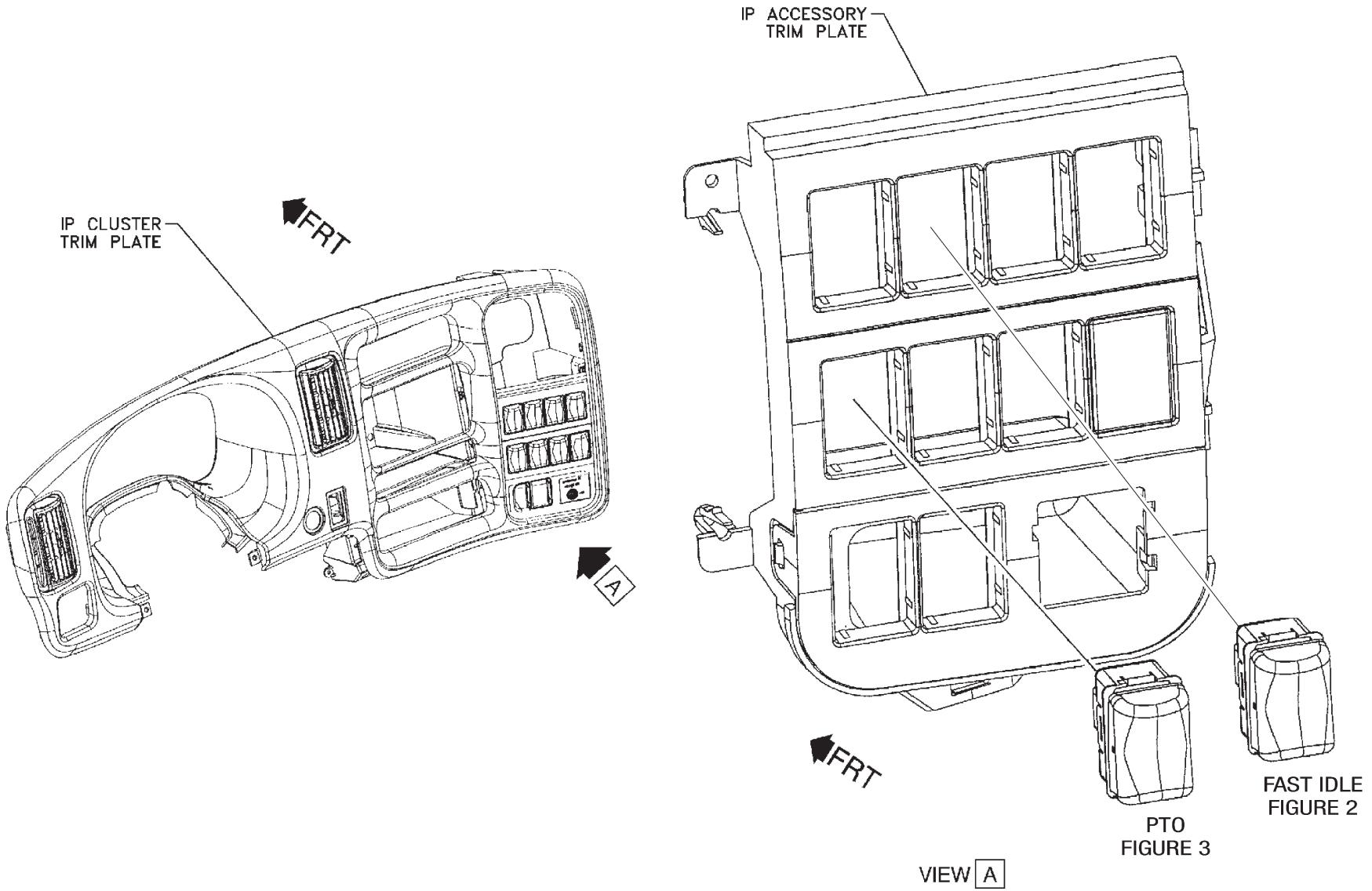
This screen allows the user to increase or decrease engine RPM values using the **INCREASE** and **DECREASE** buttons. If the Engine Fault Shutdown feature is selected, the **YES** or **NO** buttons will determine if this feature is enabled.

After all the settings are adjusted, the user will press the **REPROGRAM** button and the **CURRENT PTO SETTINGS** menu will appear with the changes. The ignition must be turned off for ten seconds to ensure that the program values are stored in the PCM.

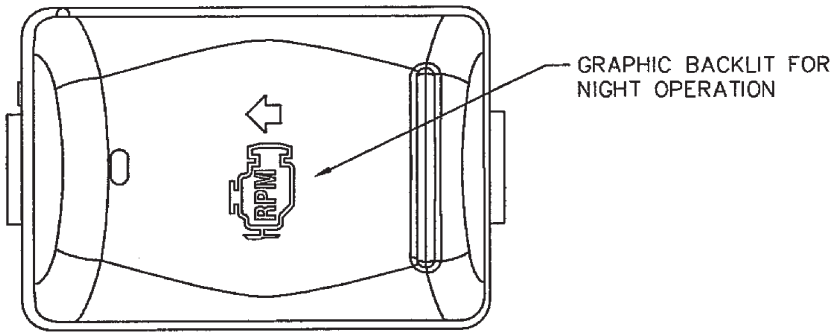
SERVICE CONSIDERATIONS

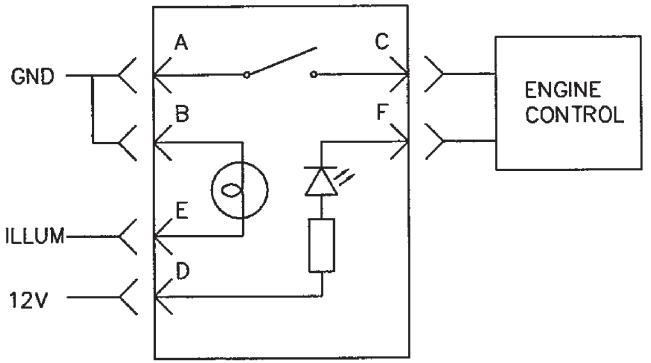
IMPORTANT: Please be aware that UF3 and PTO high idle settings must be reprogrammed in the event that the PCM is replaced. It may be advisable to provide the PCM settings information to the customer in case the PCM requires servicing during some point in the life of the vehicle.

IP, Switch Trim Plate, Fast Idle and PTO Switch Location (Figure 1)

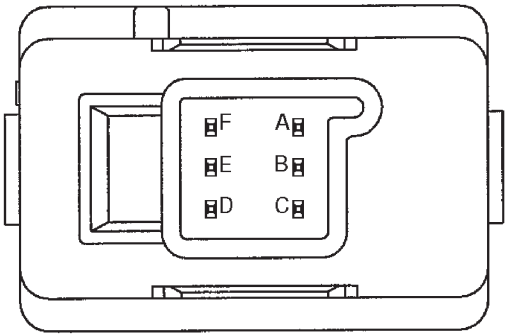


Switch – Fast Idle (Figure 2)

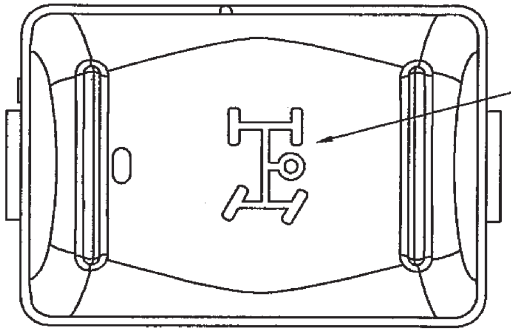


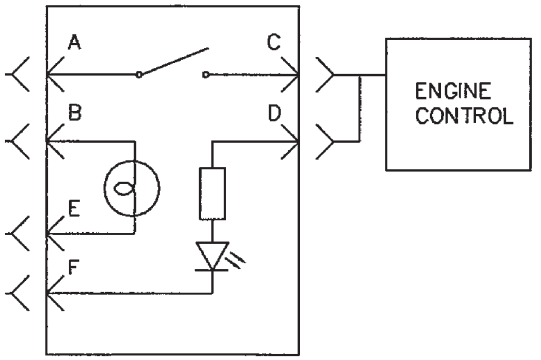


CIRCUIT SCHEMATIC



PTO Enable Switch (Figure 3)





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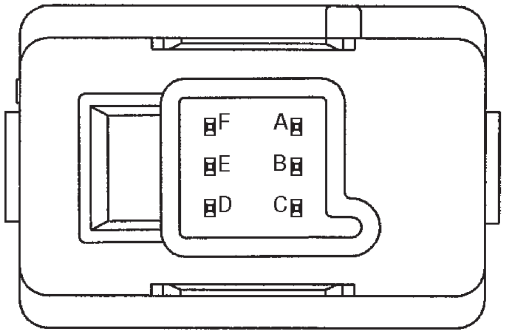

Electrical Component Legend

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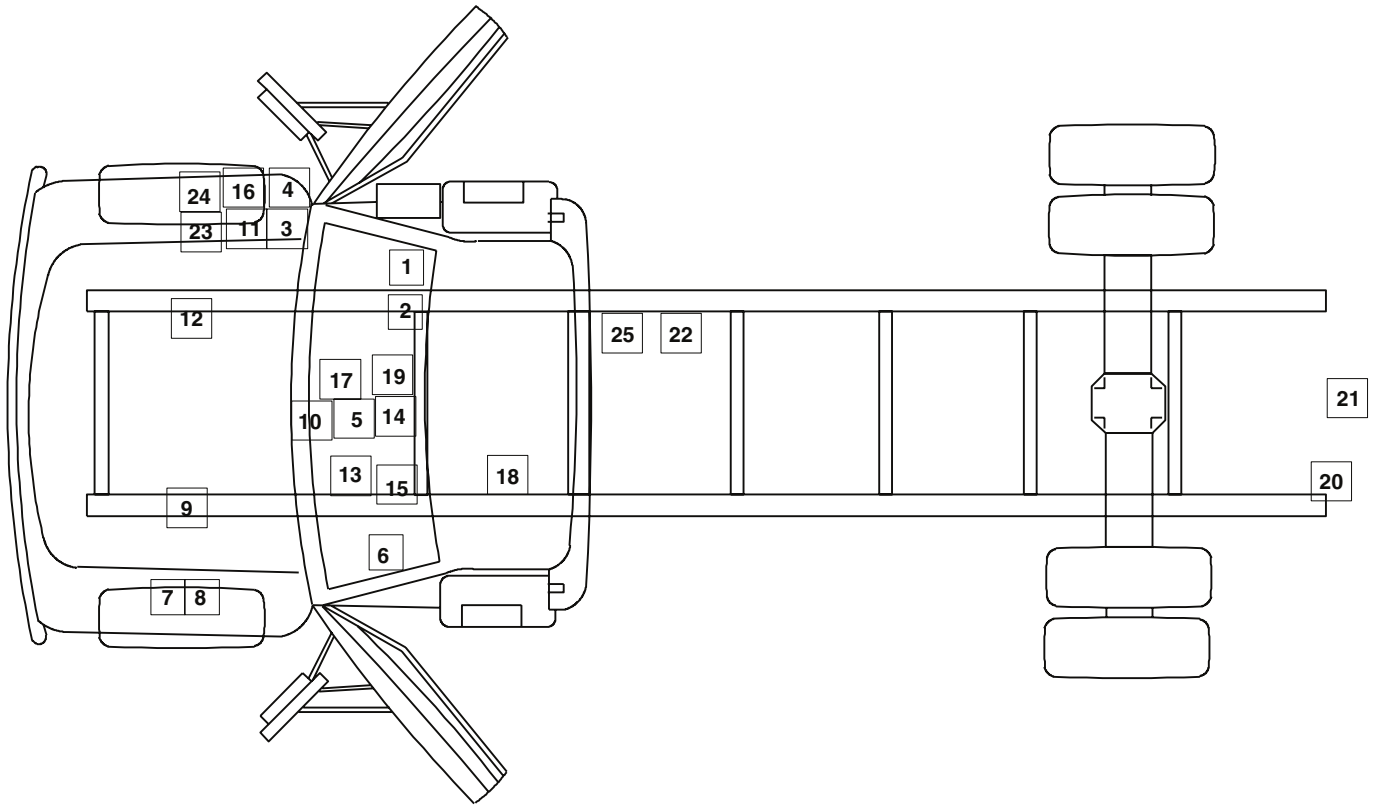


LOCATION LEGEND

1	IP DISTRIBUTION/RELAY CTR.
2	IP DISTRIBUTION CTR.
3	UNDERHOOD DISTRIBUTION CTR.
4	MAXI FUSE CTR.
5	CHIME/RADIO
6	DRL
7	EBC AIR/TCS
8	EBC HYD./TCS
9	ECU CAT. LG5
10	ECU ISZ LG4
11	ECU ISZ LB7
12	EDU ISZ LB7
13	ETC/PPS
14	HVAC
15	IPC
16	PCM/LCT TCM/WTEC TCM
17	RFA
18	SDM
19	TTM
20	TRAILER CONNECTOR FAM 2
21	TRAILER CONNECTOR FAM 3
22	BODY BUILDER CONNECTOR
23	TRANS OPTION CONNECTOR
24	PTO UPFITTER CONNECTOR
25	GROUND BLOCK

☐ PRELIM ☐ PROTO
☐ PROPOSAL ☒ PILOT
RELEASE LEVEL

Reference | OBJECT ID | REVISION | STAGE | VERSION | LAST CHANGED BY | ORGANIZATION
PROJECT 03 2003 M. D. C Series | h22m_ref_modules | 017 | X | 0 | 9:06:20 am | 2003 Medium Duty C Series
Panel Set: 1 schematic sheet1 7 SVEDWORK\h22m_ref_modules_017 Wednesday, July 18, 2001

WIRE
CLASS-2 J1939

(REFERENCE)
MAJOR MODULE
LOCATIONS
GM Proprietary

FAMILY II:
JE3 : HYDRAULIC BRAKES
L18 : GMPT 8.1L V8 GAS
L87 : DURAMAX 6600 6.6L V8 DIESEL
M74/MTW : LCT 1000/2400 AUTO TRANS
ML6 : MANUAL TRANS

FAMILY III:
JE3 : HYDRAULIC BRAKES
JE4 : AIR BRAKES
L18 : GMPT 8.1L V8 GAS
LG4 : DURAMAX 7800 7.8L L6 DIESEL
LG5 : CATERPILLAR 7.2L L6 DIESEL
MX4/MTW : LCT 2000/2400 AUTO TRANS
MNK/MNZ/MP8/MTP - MD AUTO TRANS
MN9/MM7/MPU/MSC/MSG/MT3 : MANUAL TRANS
MK8/MK9/MKO/ML0/MS9/MUT/MM8 : MANUAL TRANS

FAMILY VALUES:

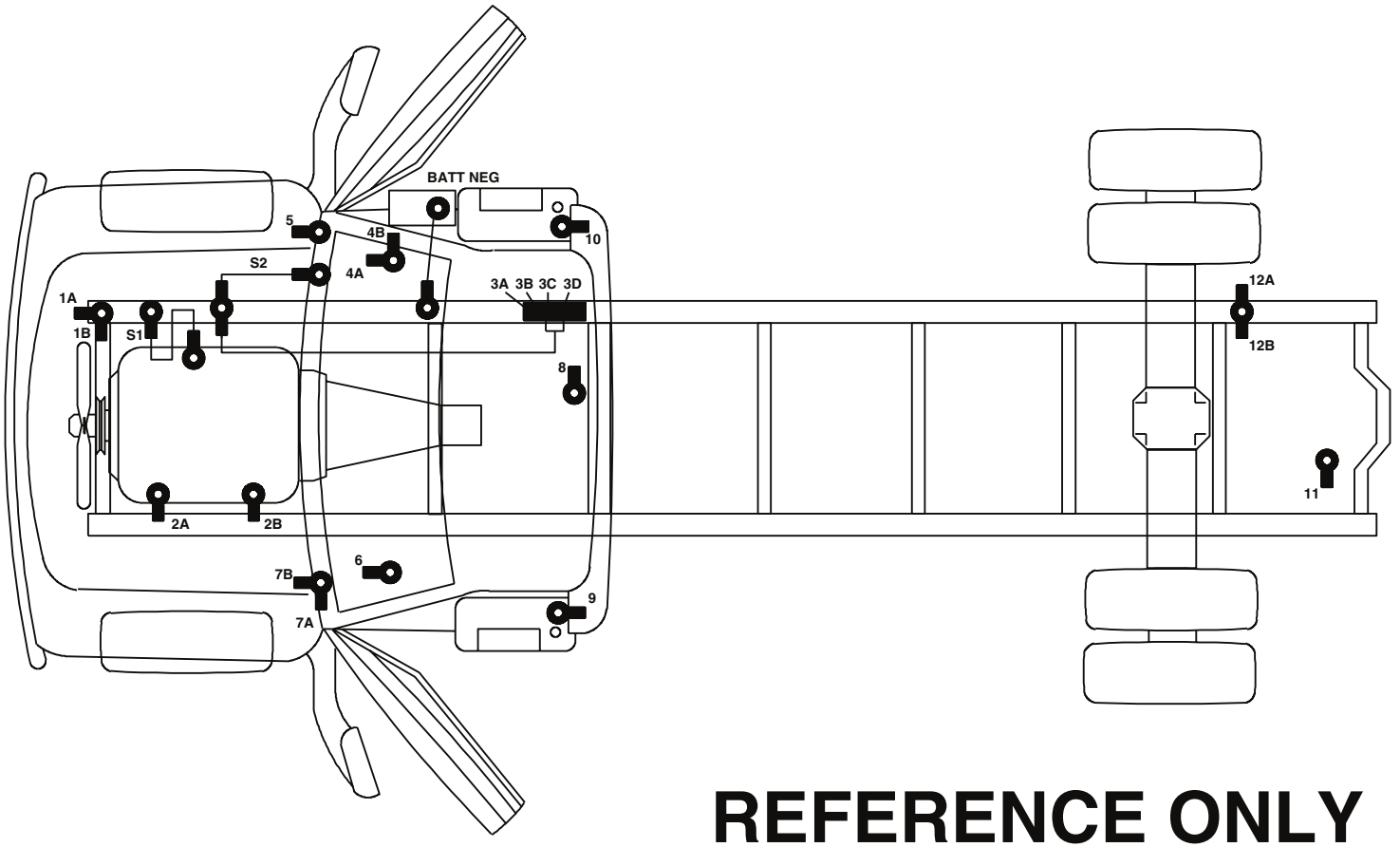
PAGE NO. 1a
PANEL 1 OF 1
FAMILY II ☒
FAMILY III ☒

CHIME - CHIME MODULE
DLC - DATA LINK CONNECTOR
DRL - DAYTIME RUNNING LAMPS
DTC - DIAGNOSTIC TOOL CONNECTOR
EBC - ELECTRONIC BRAKE CONTROL
ECU - ENGINE CONTROL UNIT - L5
EDU - ELECTRONIC DRIVER UNIT
ETC - ELECTRONIC THROTTLE CONTROL
HVAC - HVAC MODULE
IPC - INSTRUMENT PANEL CLUSTER
LCT - LIGHT COMMERCIAL TRANS
PCM - POWERTRAIN CONTROL MODULE - V8
PPS - PEDAL POSITION SENSOR
RADIO - RADIO MODULE
RFA - REMOTE FUNCTION ACTUATOR
SDG - SERIAL DATA GATEWAY
SDM - SENSING & DIAGNOSTICS MODULE
TCM - TRANSMISSION CONTROL MODULE
TCS - TRACTION CONTROL SYSTEM
TTM - TELL TALE MODULE
WTEC - TCM FOR MD TRANS

Ground Zones

03 560 000	JG	PILOT B - INITIAL CREATION	21SE00	001
03 560 000	JG	Stacked Gnd Block Conn with S2	21SE00	001

Ground Zones



REFERENCE ONLY

Ground Zones	OBJECT ID		REVISION	STAGE	VERSION	LAST CHANGED BY	4:14:11 pm	ORGANIZATION
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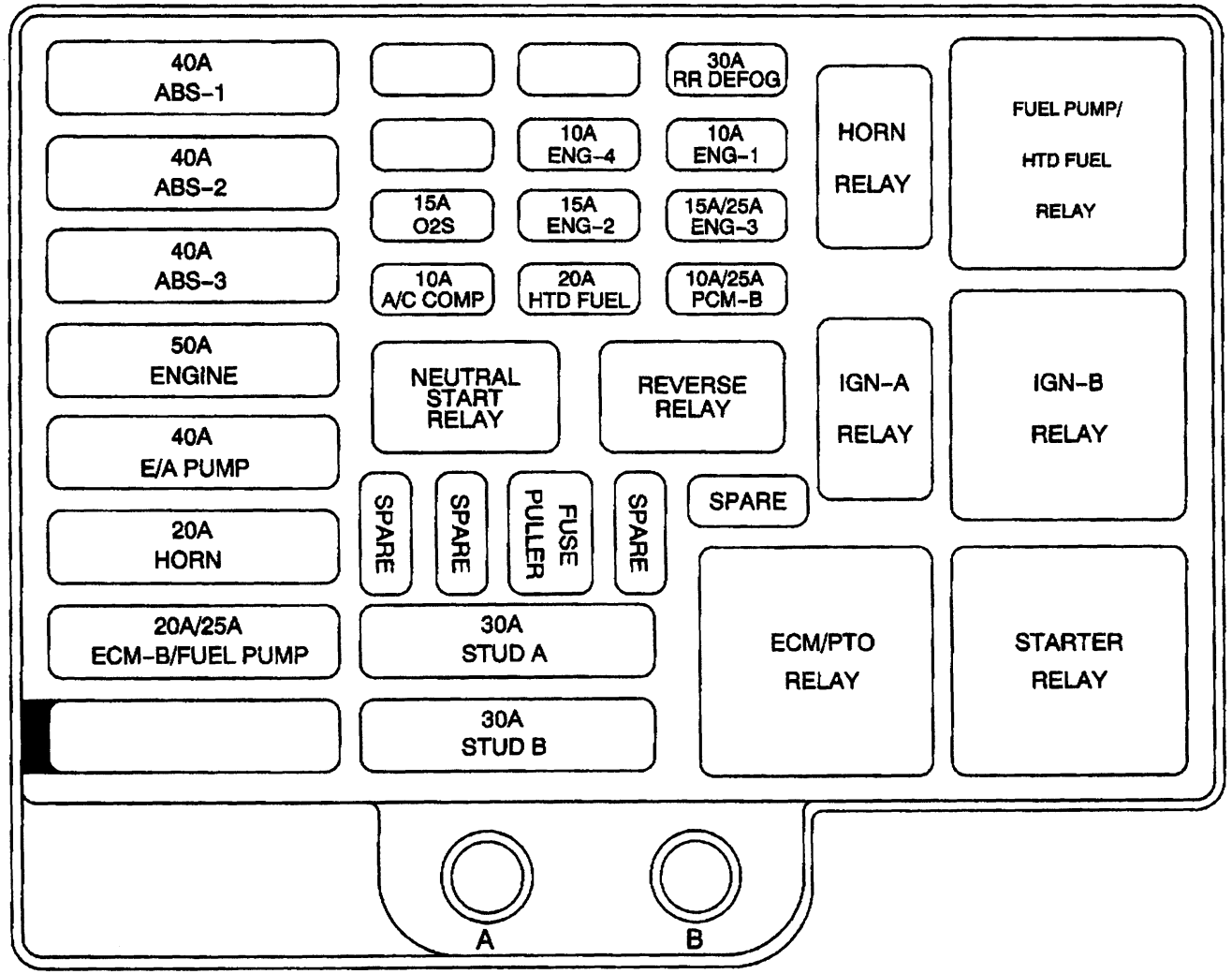
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h22009a__003					Thursday, September 21, 2000		Panel Set: 1

Fuse Block – Underhood (Primary) Label

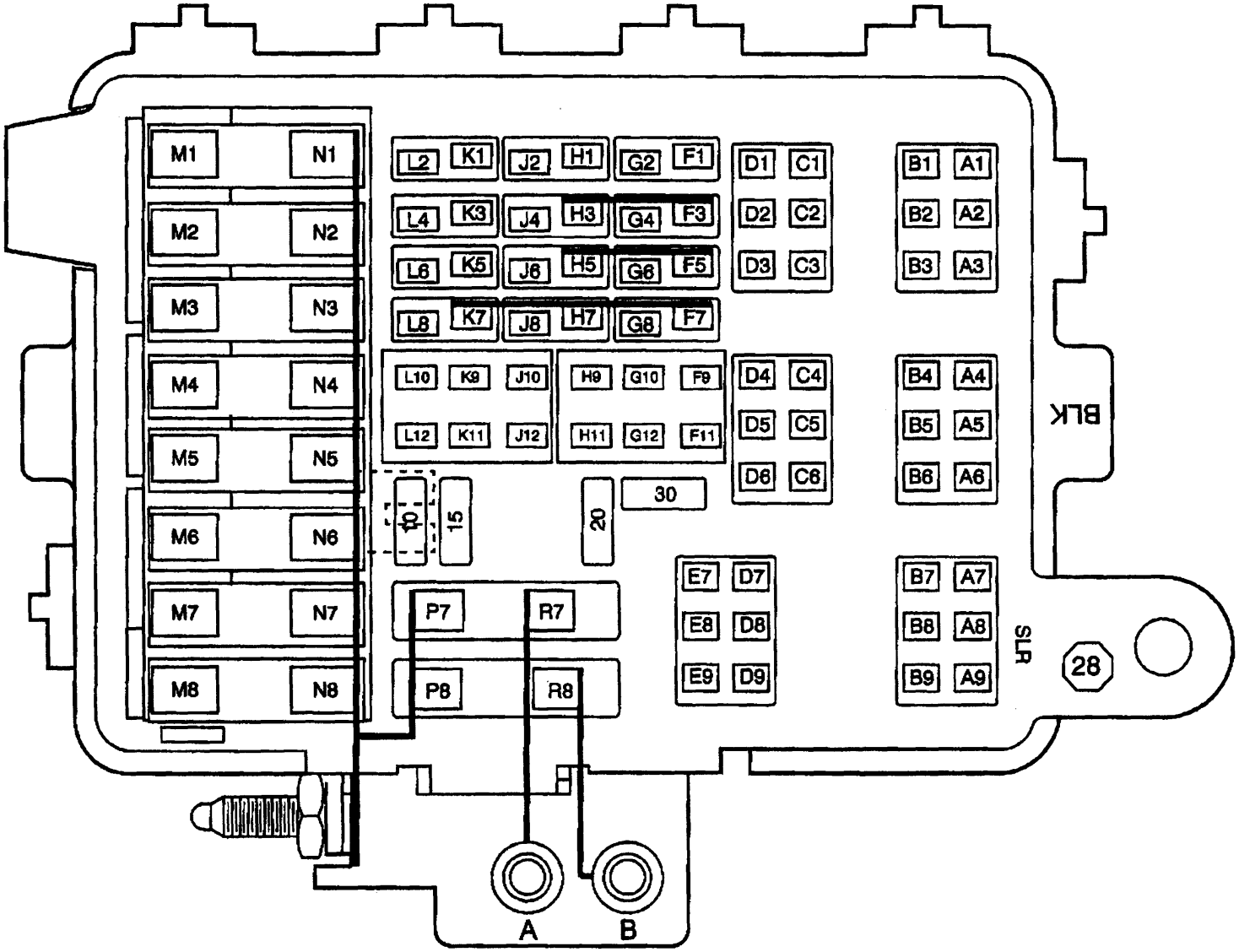


Fuse Block – Underhood (Primary) Label Usage

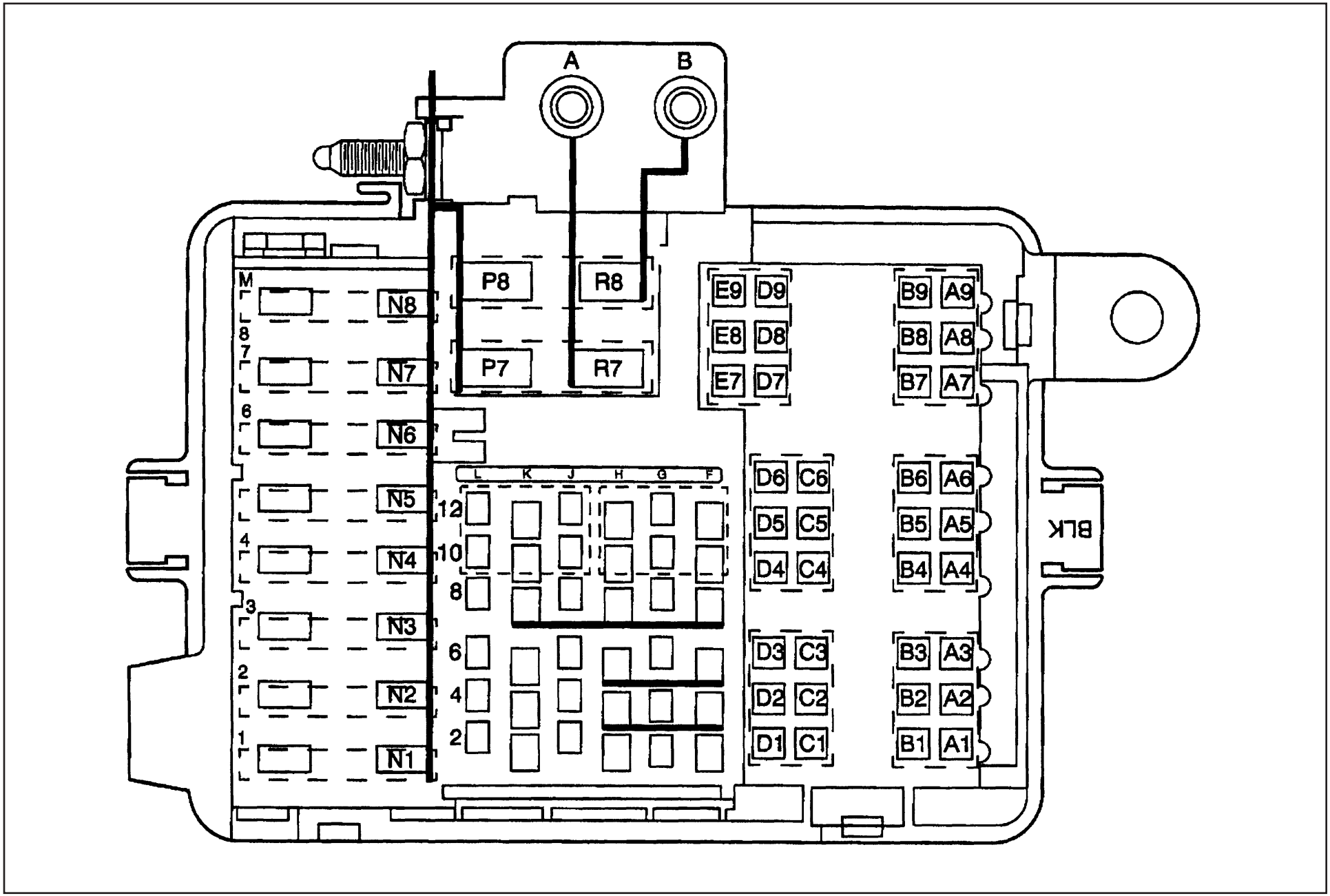
Device	Rating	Description
A/C COMP Fuse	10A	A/C Compressor
ABS-1 Fuse	40A	ABS
ABS-2 Fuse	40A	ABS
ABS-3 Fuse	40A	ABS
E/A PUMP Fuse	40A	Air Compressor (K16)
ECM RELAY (LG4/LF8)	--	Engine Control Module
ECM-B Fuse (LG5/LF6)	25A	Engine Control Module (ECM)
ECM-C (LF6)	25A	Engine Control Module (ECM)
ENG-1 Fuse	10A	PTO Switch (PTO), Overdrive Defeat Switch (Allison® LCT), Rear Axle Shift Motor - Two Speed (HPZ)
ENG-2 Fuse	15A	Engine Control Module (ECM) (LLY), Heated Fuel Relay (LG4/LG5), Exhaust Brake Relay (K40), Fuel Injectors/Ignition Coils (L18)
	30A	Engine Control Module (ECM) (LMM)
ENG-3 Fuse	15A	Fuel Injectors/Ignition Coils (L-18), intake Air (IA) , Heater Relay (LG5), PTO Relay (PTO), Reverse Relay (Allison® MD)
ENG-4 Fuse (w/o LG5/LF6)	10A	Cruise Control Switch (K34)
ENGINE Fuse	50A	Ignition - A Relay, ignition - B Relay
FUEL Fuse (w/o LG5/LF6)	20A	Fuel Relay (LLY/L18), Not Used (LG4)
FUEL RELAY	--	Fuel pump (L18/LLY/LMM)

Device	Rating	Description
HORN Fuse	20A	Horn Relay
HORN RELAY	--	Horn
HTD FUEL Fuse	20A	Heated Fuel Relay (w/o L18/LF6)
IGN - A RELAY	--	Ignition
IGN - B RELAY	--	Ignition
NEUTRAL START RELAY	--	Neutral Start Relay (Allison® MD) (LG4)
O2S Fuse (L18)	15A	Heated Oxygen Sensor (HO2S) (L18)
PCM-B Fuse	10A (w/o LG4)	Serial Data Gateway (SDG), Powertrain Control Module (PCM) (L18), Engine Control Module (ECM) (w/o LG5), Transmission Control Module (TCM) (w/o LF6/LF8), Electric Shift Selector
	25A (LG4)	
PTO RELAY	--	Power Take-Off (PTO)
REVERSE RELAY (Allison® MD)	--	Backup Alarm (UZF), Backup Lamps
RR DEFOG Fuse	30A	HVAC Control Assembly Connector (C49)
SPARE Fuse	10A	Not Used
SPARE Fuse	15A	Not Used
SPARE Fuse	20A	Not Used
SPARE Fuse	30A	Not Used
STARTER RELAY	--	Starter Solenoid
STUD A Fuse	30A	AUX BODY B+ Upfitter Provision A
STUD B Fuse	30A	AUX BODY B+ Upfitter Provision B
TCM Fuse	15A	Transmission Control Module (TCM) (LF8)

Fuse Block – Underhood (Primary) Top View



Fuse Block – Underhood (Primary) Bottom View



Fuse Block – Underhood (Primary) Wire Entry

Connector Part Information
OEM: 12146281
Description: 86-Way Electrical Center (BK)
Terminal Part Information
Terminal/Tray: See Terminal Repair Kit
Core/Insulation Crimp: See Terminal Repair Kit
Release Tool/Test Probe: See Terminal Repair Kit

Pin	Wire Color	Circuit No.	Function
A1	PK	339	Ignition 1 Voltage (LG4/LG5)
	D-GN/WH	465	Fuel Pump Relay Control - Primary (L18/LLY/LMM)
A3	OG	1640	Battery Positive Voltage (L18/LLY/LMM)
	OG	1440	Fuel Injection Control (LG4/LG5)
A4	RD	1042	Battery Positive Voltage (LLY/LMM)
	PK	439	Ignition 1 Voltage (w/o LLY/LMM)
A6	RD	1042	Battery Positive Voltage
A7	PU	806	Crank Voltage
A9	RD	242	Battery Positive Voltage
B1	GY	120	Fuel Pump Supply Voltage (L18/LLY/LMM)
	PK	2677	Battery Positive Voltage (LG4/LG5)
B2	--	--	Not Used
B3	BK	250	Ground (w/o LF6/LF8)
B4	PU	2000	Ignition 1 Relay Output
B5	--	--	Not Used
B6	GY	2219	FICM Relay Control (LMM)
	BK	250	Ground (All Others)
B7	PU	6	Starter Solenoid Crank Voltage
B8	--	--	Not Used
B9	YE	447	Starter Relay Coil Control
C1	OG	740	Battery Positive Voltage
C3	OG	740	Battery Positive Voltage
C4	PK	439	Ignition 1 Voltage
C6	RD	1042	Battery Positive Voltage
D1	D-Gn	29	Horn Control
D2	--	--	Not Used
D3	BK	28	Horn Relay Control
D4	PU	2000	Ignition 1 Relay Output
D5	--	--	Not Used
D6	BK	250	Ground
D7	PK	539	Ignition 1 Voltage (LG5/LF6)
	L-GN	488	PTO On Switch - Signal (L18/LLY/LMM)
	OG	488	Battery Positive Voltage (LG4/LF8)
D9	PK	239	Ignition 1 Voltage (L18/LLY/LMM)
	WH	2561	PTO Supply Voltage (LG5/LF6)
	OG	440	Battery Positive Voltage (LG4/LF8)
E7	BK/WH	1120	Ignition 1 Voltage (LG4/LF8)
	WH	2561	PTO Supply Voltage (L18/LLY/LMM)
	D-GN/WH	2665	PTO Supply Voltage (LG5/LF6)
E8	--	--	Not Used
E9	L-GN	488	PTO On Switch - Signal (LG5/LF6)
	L-BU	1121	Battery Relay Output - Coil (LG4/LF8)
	PU	2562	PTO Control (L18/LLY/LMM)
F1	RD	1	Battery Positive Voltage

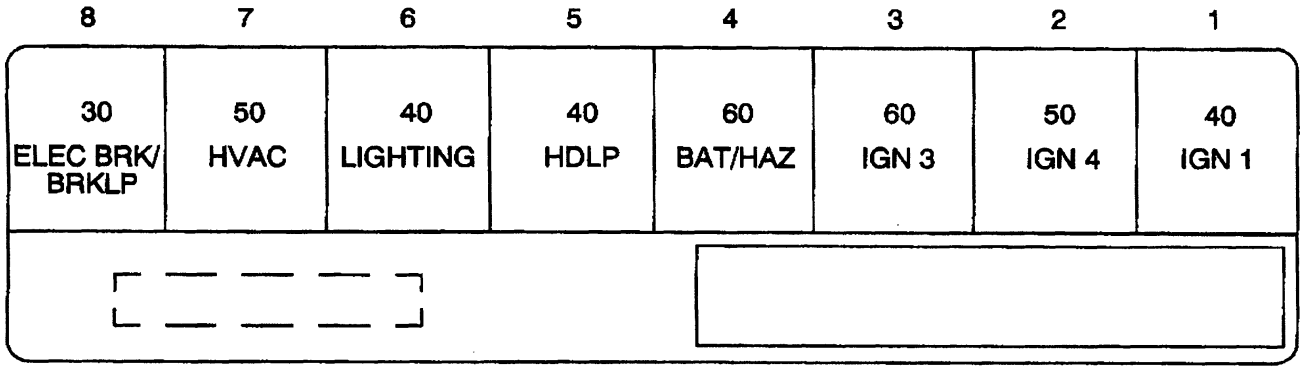
(continued on next page)

Fuse Block – Underhood (Primary) Wire Entry (continued)

(continued from previous page)

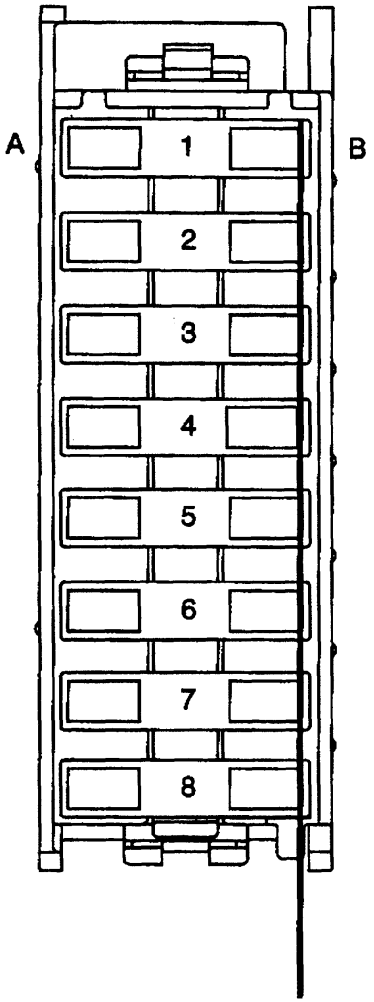
Pin	Wire Color	Circuit No.	Function
F3	--	2000	Ignition Voltage Bus (w/o LG5)
	PU	2000	Ignition Voltage (LG5)
F5	--	2000	Ignition Voltage Bus
F9	L-GN	24	Backup Lamp Supply Voltage (A/T)
F11	GY	1524	Backup Lamp Supply Voltage (A/T)
G2	PU	1093	Rear Defog Element Supply Voltage
G4	PK	239	Ignition 1 Voltage
G6	PK	539	Ignition 1 Voltage (w/o LMM)
G8	OG	440	Battery Positive Voltage
G10	--	--	Not Used
G12	--	--	Not Used
H1	--	--	Not Used
H3	PU	2000	Ignition Voltage
H5	PU	2000	Ignition Voltage
H7	RD	1	Battery Positive Voltage
H9	PK	539	Ignition 1 Voltage (Allison® MD)
	PK	139	Ignition 1 Voltage (Allison® LCT)
H11	PK	139	Ignition 1 Voltage (Allison® MD)
J2	OG	440	Battery Positive Voltage (LF8)
J4	PK	639	Ignition 1 Voltage (w/o LG5)
J6	PK	339	Ignition 1 Voltage
J8	OG	1440	Battery Positive Voltage (w/o L18)
J10	D-Gn	1433	Clutch Start Switch Signal (Allison® MD)
J12	YE	1479	A/T Neutral Signal (Allison® MD)
	OG	440	Battery Positive Voltage (LMM)
K1	--	--	Not Used
K3	--	--	Not Used
K5	--	--	Not Used
K7	--	--	Not Used
K9	BK	250	Ground (LMM)
K11	WH	2368	Cooling Fan Clutch Supply Voltage (LMM)
L2	--	--	Not Used
L4	--	--	Not Used
L6	OG	440	Battery Positive Voltage (LMM)
	PK	739	Ignition 1 Voltage (L18)
L8	OG	1240	Battery Positive Voltage
L10	BK	250	Ground (Allison® MD)
L12	PU	806	Crank Voltage (Allison® MD)
	WH/BK	2366	Colling Fan Clutch Control (LMM)
M1	RD	442	Battery Positive Voltage
M2	RD	1642	Battery Positive Voltage
M3	RD	42	Battery Positive Voltage
M4	RD	1042	Battery Positive Voltage
M5	OG	1840	Battery Positive Voltage
M6	OG	740	Battery Positive Voltage
	OG	740	Battery Positive Voltage
M7	OG	1640	Battery Positive Voltage (L18/LLY/LMM)
	OG	1540	Battery Positive Voltage (LG5
M8	OG	1540	Battery Positive Voltage
N1-N8	--	1	Battery Positive Voltage Bus
P7	--	1	Battery Positive Voltage Bus
P8	--	1	Battery Positive Voltage Bus
R7	--	--	Battery Positive Voltage (AUX BODY B+ Upfitter Provision Stud A)
R8	--	--	Battery Positive Voltage (AUX BODY B+ Upfitter Provision Stud B)

Fuse Block – Underhood (Secondary) Label

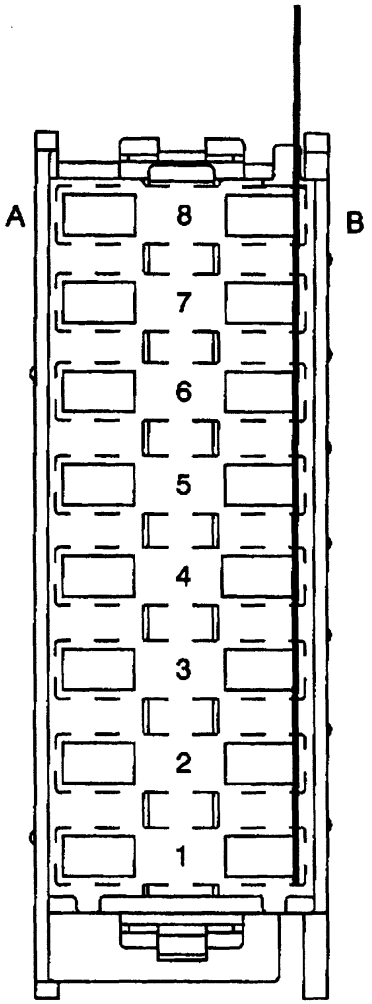


No.	Device	Rating	Description
1	IGN 1 Fuse	40A	Ignition Switch, Starter Relay, Transfer Case Shift Control Module (NP1)
2	IGN 2 Fuse	50A	Ignition 4 Relay
3	IGN 3 Fuse	60A	Ignition Switch
4	BAT/HAZ Fuse	60A	Fuse Block - I/P
5	HDLP Fuse	40A	Headlamp Switch, Fuse Block - I/P
6	LIGHTING Fuse	40A	Courtesy Fuse, Park Fuse
7	HVAC Fuse	50A	Blower Motor Resistor Assembly (C40/C60)
8	ELEC BRK/ BRKLP Circuit Breaker	30A	Brake Lamps (C6/C7/C8
			Electronic Brake Control Module (EBCM) (C4/C5)

Fuse Block – Underhood (Secondary) Top View



Fuse Block – Underhood (Secondary) Bottom View

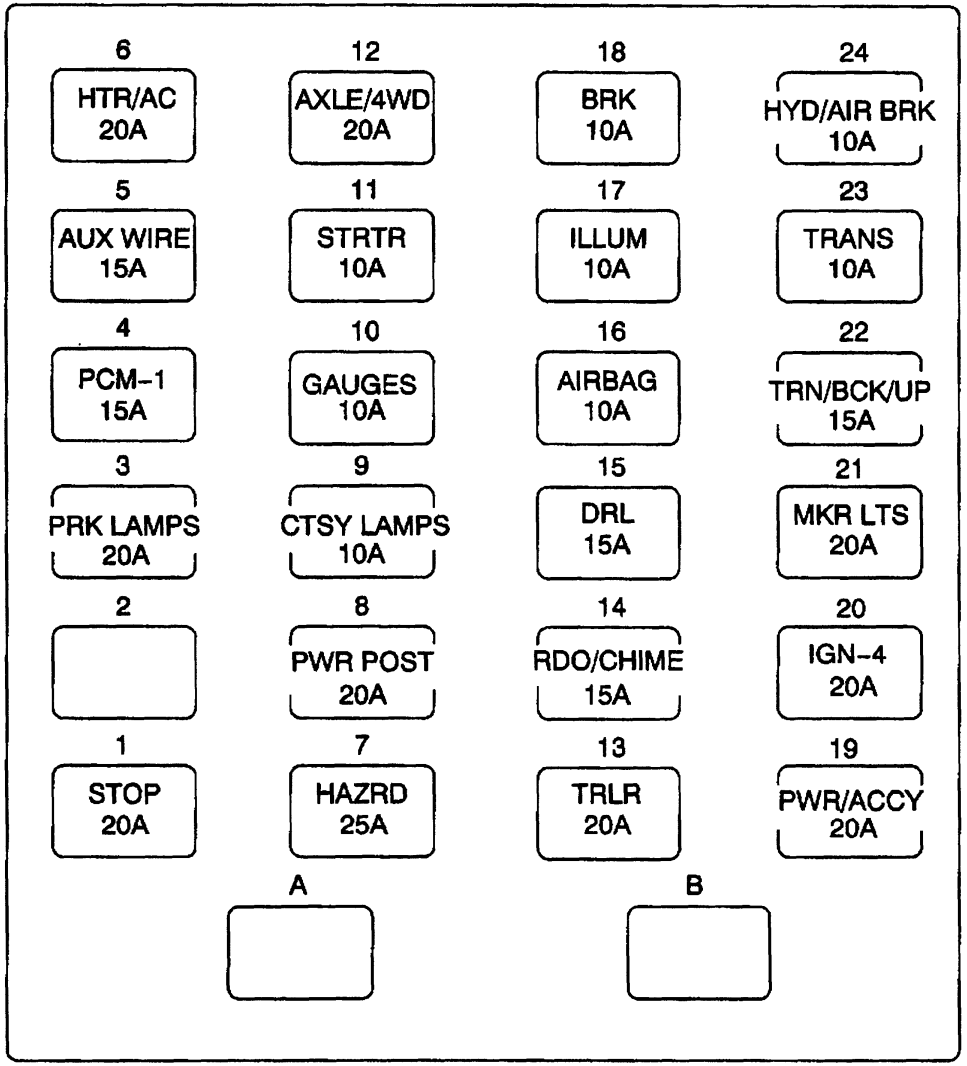


Fuse Block – Underhood (Secondary) Wire Entry

Connector Part Information
OEM: 12092231
Description: 16-Way Fuse Block Component (BK)
Terminal Part Information
Terminal/Tray: See Terminal Repair Kit
Core/Insulation Crimp: See Terminal Repair Kit
Release Tool/Test Probe: See Terminal Repair Kit

Pin	Wire Color	Circuit No.	Function
A1	RD	242	Battery Positive Voltage
A2	RD	1242	Battery Positive Voltage
A3	RD	342	Battery Positive Voltage
A4	RD	142	Battery Positive Voltage
A5	RD	1142	Battery Positive Voltage
A6	RD	1342	Battery Positive Voltage
A7	RD	542	Battery Positive Voltage
A8	RD	642	Battery Positive Voltage (C4/C5)
		1542	Battery Positive Voltage (RQ2 & U86/RQ3)
B1-B8	RD	1	Battery Positive Voltage Bus

Fuse Block – I/P-1 Label



Fuse Block – I/P-1 Label Usage

Fuse No.	Device	Rating	Description
1	STOP Fuse/ Circuit Breaker	20A	Stop Lamp Switch, Trailer Stop Lamp Switch
2	--	--	Not Used
3	PRK LAMPS Fuse/Circuit Breaker	20A	Headlamp Switch, Transfer Case Shift Control Switch (NP1)
4	PCM-1 Fuse/ Circuit Breaker	15A	Electronic Brake Control Module (EBCM), Powertrain Control Module (PCM) (L18), Engine Control Module (ECM) (LG4/LG5/LLY), Throttle Actuator Control (TAC) Module (L18)
5	AUX WIRE Fuse/Circuit Breaker	15A	HTD MIR Relay, DRL Module, Upfitter Connector
6	HTR/AC Fuse/ Circuit Breaker	20A	Air Temperature Actuator (C40/C60), Vacuum Pump (w/o L18), HVAC Control Assembly (C40/C60), Blower Motor Relay - Auxiliary (C36)
7	HAZRD Fuse/ Circuit Breaker	25A	Turn Signal/Multifunction Switch
8	PWR POST Fuse/Circuit Breaker	20A	Cigar Lighter (DT4), Controller Area Network (CAN) Connector, Auxiliary Power Outlet 1, Auxiliary Power Outlet 2, Data Link Connector (DLC)
9	CTSY LAMPS Fuse/Circuit Breaker	10A	Dome Lamps
10	GAUGES Fuse/ Circuit Breaker	10A	Remote Control Door Lock Receiver (RCDLR) (AU0), Headlamp Switch, Daytime Running Lights (DRL) Relay, Gauge Center, Driver Information Center (DIC), Instrument Panel Cluster (IPC)
11	STRTR Fuse/ Circuit Breaker	10A	Starter Relay, Clutch Start Switch (M/T), Park/Neutral Position (PNP) Switch (Allison® LCT), Neutral Start Relay (Allison® MD), Electronic Brake Control Module (EBCM)
12	AXLE/4WD Fuse/ Circuit Breaker	20A	Rear Axle Shift Relay - Two Speed (HPZ)
13	TRLR Fuse/ Circuit Breaker	20A	LT TRN TRLR Relay, RT TRN TRLR Relay
14	RDO/CHIME Fuse/Circuit Breaker	15A	Radio, Chime Module (UL5/UXZ), Instrument Panel Cluster (IPC)
15	DRL Fuse/ Circuit Breaker	15A	Daytime Running Lights (DRL) Diode
16	AIRBAG Fuse/ Circuit Breaker	10A	Inflatable Restraint I/P Module (AK5), Inflatable Restraint Sensing and Diagnostic Module (SDM) (AJ3/AK5)

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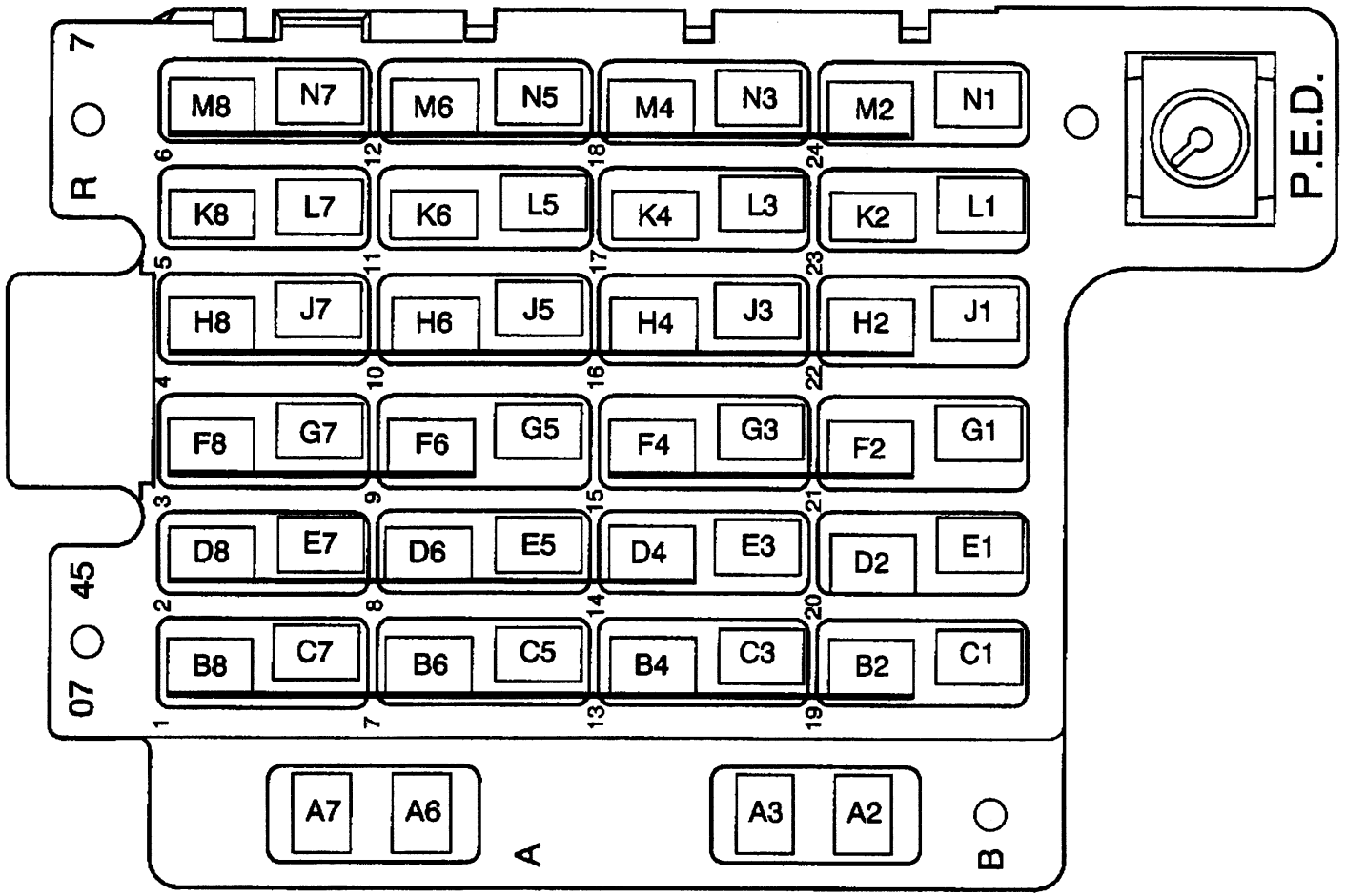
Fuse Block – I/P-1 Label Usage (continued)

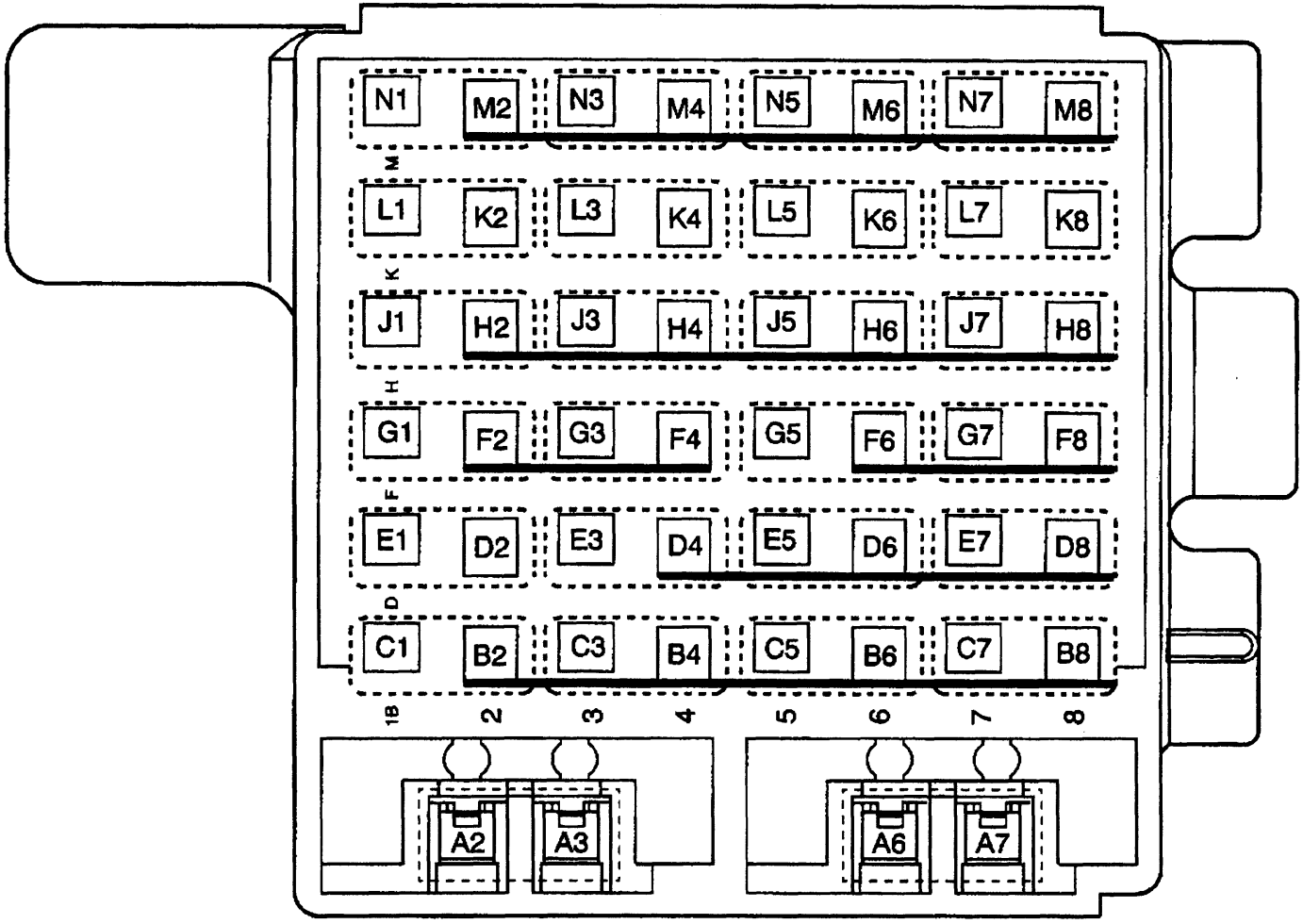
(continued from previous page)

Fuse No.	Device	Rating	Description
17	ILLUM Fuse/ Circuit Breaker	10A	IPC, Radio, HVAC Control Assembly, A/T Shift Lever Position Indicator
18	BRK Fuse/ Circuit Breaker	10A	A/C Compressor Clutch Relay (C60), High Idle Switch (UF3). Clutch Pedal Position (CPP) Switch (M/T), ABS Relay (JE4), Stop Lamp Switch
19	PWR/ACCY Fuse/Circuit Breaker	20A	Blower Motor Relay - Auxiliary (C49), Outside Rearview Mirror - Driver (DB6/ DB7/DB8), Outside Rearview Mirror - Passenger (DB6/DB7/DB8), Door Lock Switch - Driver (AU3), Door Lock Switch - Passenger (AU3), Remote Control Door Lock Receiver (RCDLR) (AU0)
20	ICN - 4 Fuse/ Circuit Breaker	20A	Instrument Panel Cluster (IPC), Wind-shield Wiper Motor, Turn Signal/ Multifunction Switch, IGN-4 Relay
21	MKR LTS Fuse/ Circuit Breaker	25A	MKR LTS Relay
22	TRN/BCK/UP Fuse/Circuit Breaker	15A	Reverse Relay (Allison® MD),Backup Lamp Switch (M/T), Turn Signal/ Multifunction Switch
23	TRANS Fuse/ Circuit Breaker	10A	Instrument Panel Cluster (IPC), SDG Module, TCM, ECM, PCM
24	HYD/AIR BRK Fuse/Circuit Breaker	10A	Low Air Pressure Switch, Air Brake Dryer (JE4/JTU), Traction Control Switch (NW9), Air Suspension Dump Switch (G40/G45/GSJ)
A-B	--	--	Not Used

Fuse Block – I/P-1 Front View



Fuse Block – I/P-1 Back View



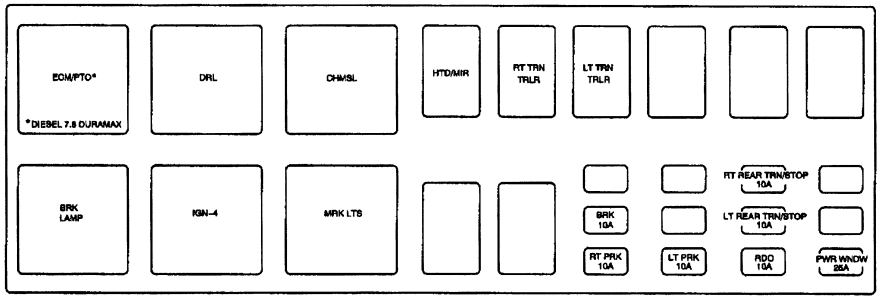
Fuse Block – I/P-1 Wire Entry

Connector Part Information
OEM: 12110746
Description: 48-Way Metri-Pack 280 Series (BK)
Terminal Part Information
Terminal/Tray: See Terminal Repair Kit
Core/Insulation Crimp: See Terminal Repair Kit
Release Tool/Test Probe: See Terminal Repair Kit

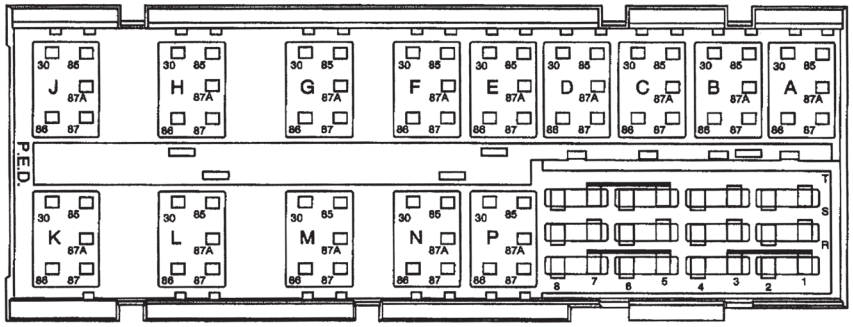
Pin	Wire Color	Circuit No.	Function
A2-A3	--	--	Not Used
A6-A7	--	--	Not Used
B2	--	142	Battery Positive Voltage Bus
B4	RD	142	Battery Positive Voltage
B6	--	142	Battery Positive Voltage Bus
B8	--	142	Battery Positive Voltage Bus
C1	OG	540	Battery Positive Voltage
C3	OG	640	Battery Positive Voltage
C5	OG	1040	Battery Positive Voltage
C7	OG	140	Battery Positive Voltage
D2	BN	4	Accessory Voltage
D4	--	142	Battery Positive Voltage Bus
D6	RD	142	Battery Positive Voltage
D8	--	142	Battery Positive Voltage Bus
E1	YE	43	Accessory Voltage
E3	OG	1140	Battery Positive Voltage
E5	OG	840	Battery Positive Voltage
E7	--	--	Not Used
F2	--	1142	Battery Positive Voltage Bus
F4	RD	1142	Battery Positive Voltage
F6	--	1342	Battery Positive Voltage Bus
F8	RD	1342	Battery Positive Voltage
G1	OG	1340	Battery Positive Voltage
G3	OG	340	Battery Positive Voltage
G5	OG	40	Battery Positive Voltage
G7	OG	240	Battery Positive Voltage
	BN	241	Ignition 3 Voltage (NP1)
H2	--	3	Ignition 1 Voltage Bus
H4	PK	3	Ignition 1 Voltage
H6	--	3	Ignition 1 Voltage Bus
H8	--	3	Ignition 1 Voltage Bus
J1	PK	139	Ignition 1 Voltage
J3	YE	1139	Ignition 1 Voltage
J5	PK	39	Ignition 1 Voltage
J7	PK	439	Ignition 1 Voltage
K2	WH	1390	Off Run Crank Voltage
K4	D-GN	44	Instrument Panel Lamps Dimmer Switch Signal
K6	YE	5	Crank Voltage
K8	OG	300	Ignition 3 Voltage
L1	PK	1020	Off Run Crank Voltage
L3	GY	8	Instrument panel Lamp Supply Voltage 1
L5	PU	806	Crank Voltage
L7	BN	641	Ignition 3 Voltage
M2	--	300	Ignition 3 Voltage Bus
M4	OG	300	Ignition 3 Voltage
M6	--	300	Ignition 3 Voltage Bus
M8	--	300	Ignition 3 Voltage Bus
N1	BN	541	Ignition 3 Voltage
N3	BN	441	Ignition 3 Voltage
N5	BN	241	Ignition 3 Voltage (C6/C7/C8)
N7	GY	141	Ignition 3 Voltage

Fuse Block – I/P-2 Label

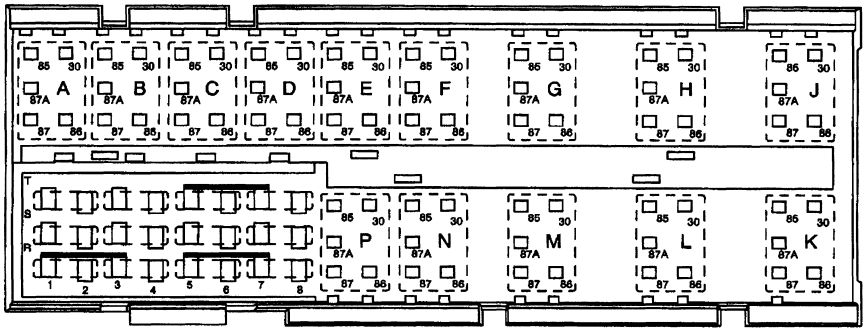
Device	Rating	Description
BRK Circuit Breaker	10A	Brake Warning Lamp, CHMSL Relay
BRK LAMP Relay	--	Trailer Stop Lamps (RQ2/U86/RQ3)
CHMSL Relay	--	Brake Lamps (C4/C5), Tractor/Trailer Wiring (C6/C7/C8)
DRL Relay	--	Daytime Running Lights (DRL)
ECM Relay	--	Engine Control Module (ECM) (w/o LG4)
HTD MIR Relay	--	Outside Rearview Mirror - Driver (DB6/DB7/DB8), Outside Rearview Mirror - Passenger (DB6/DB7/DB8)
IGN-4 Relay	--	Ignition
LT PARK Circuit Breaker	10A	Left Parking Lamps
LT REAR TRN/STOP Circuit Breaker	10A	Transfer Case Shift Control Switch (NP1)
LT TRN TRLR Relay	--	Left Trailer Turn Signal
MKR LTS Relay	--	Side Marker and Clearance Lamps
PTO Relay	--	Power Take-Off (LG4/PTO)
PWR WNDW Circuit Breaker	25A	Power Windows
RDO Circuit Breaker	10A	Radio Blunt Cut
RT PARK Circuit Breaker	10A	Right Parking Lamps
RT REAR TRN/STOP Circuit Breaker	10A	Right Rear Trailer Wiring
RT TRN TRLR Relay	--	Right Trailer Turn Signal



Fuse Block – I/P-2
Front View



Fuse Block – I/P-2
Back View



Fuse Block – I/P-2 Wire Entry

Connector Part Information
OEM: 12129833
Description: 94-Way F Fuse Block (BK)
Terminal Part Information
Terminal/Tray: See Terminal Repair Kit
Core/Insulation Crimp: See Terminal Repair Kit
Release Tool/Test Probe: See Terminal Repair Kit

Pin	Wire Color	Circuit No.	Function
A30	--	--	Not Used
A85	--	--	Not Used
A86	--	--	Not Used
A87	--	--	Not Used
A87A	--	--	Not Used
B30	--	--	Not Used
B85	--	--	Not Used
B86	--	--	Not Used
B87	--	--	Not Used
B87A	--	--	Not Used
C30	--	--	Not Used
C85	--	--	Not Used
C86	--	--	Not Used
C87	--	--	Not Used
C87A	--	--	Not Used
D30	YE	318	Left Rear Trailer Stop Turn Lamp Supply Voltage
D85	YE	618	Left Rear Turn Signal Lamp Supply Voltage (C6/C7/C8)
	L-BU	14	Left Turn Signal Status Signal (C6/C7/C8)
D86	BK	450	Ground
D87	OG	640	Battery Positive Voltage
D87A	--	--	Not Used
E30	D-GN	319	Right Rear Trailer Stop Turn Lamp Supply Voltage
E85	D-GN	619	Right Rear Turn Signal Lamp Supply Voltage (C4/C5)
	D-GN	15	Right Turn Signal Status Signal (C6/C7/C8)
E86	BK	450	Ground
E87	OG	640	Battery Positive Voltage
E87A	--	--	Not Used
F30	OG	267	Heated Mirror Supply Voltage
F85	BK	450	Ground
F86	OG	267	Heated Mirror Supply Voltage
F87	BN	641	Ignition 3 Voltage
F87A	--	--	Not Used
G30	WH	17	Stop Lamp Supply Voltage
G85	BK	450	Ground
G86	L-BU	1320	Stop Lamp Supply Voltage
G87	YE	895	Left Rear Stop Lamp Supply Voltage
G87A	--	--	Not Used
H30	TN	12	Headlamp Low Beam Supply Voltage
H85	L-GN/BK	592	Daytime Running Lights (DRL) Relay Control
H86	PK	39	Ignition 1 Voltage
H87	YE	634	DRL Diode Supply Voltage
H87A	PU	544	Headlamp Low Beam Supply Voltage
J30	BK/WH	1120	ECM Power (w/o LG4)
	WH	2561	PRO Supply Voltage (LG4/PTO)

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Fuse Block – I/P-2 Wire Entry (continued)

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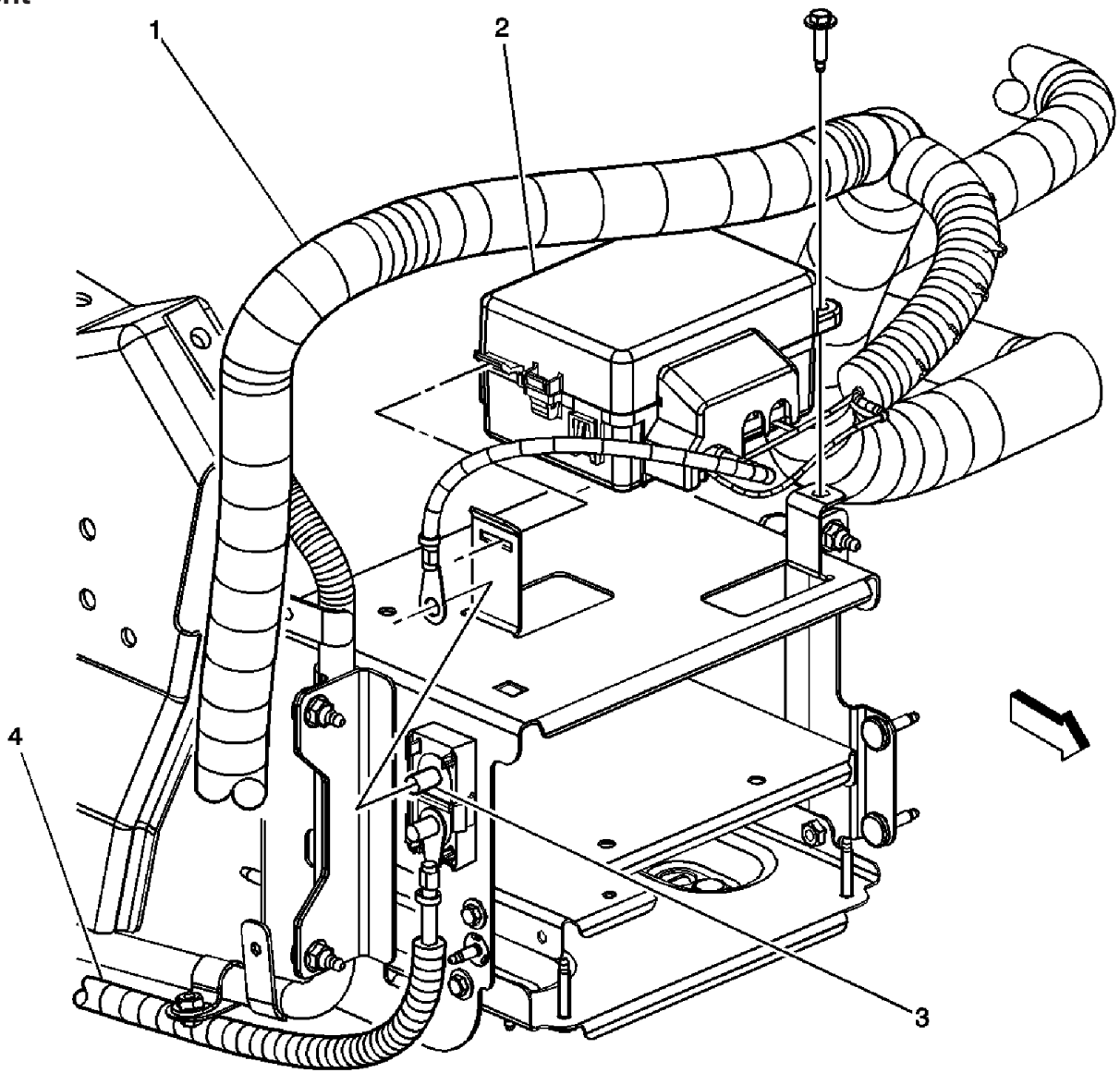
Pin	Wire Color	Circuit No.	Function
J85	OG	440	Battery Positive Voltage (w/o LG4)
	L-GN	488	PRO On Switch - Signal (LG4)
J86	L-BU	1121	ECM Power Enable (w/o LG4)
	PU	2562	PTO Supply Voltage (LG4)
J87	OG	440	Battery Positive Voltage (w/o LG4)
	PK	539	Ignition 1 Voltage (LG4)
J87A	--	--	Not Used
K30	RD	1411	Trailer Stop Relay-Contact-N.O.
K85	L-BU	1320	Stop Lamp Supply Voltage
K86	BK	450	Ground
K87	RD	1542	Battery Positive Voltage
K87A	--	--	Not Used
L30	BK	755	RAP Relay Coil Control
L85	YE	43	Accessory Voltage
L86	BK	450	Ground
L87	RD	1242	Battery Positive Voltage
L87A	--	--	Not Used
M30	OG	1340	Battery Positive Voltage
M85	OG/BK	2666	Ignition 1 Voltage
M86	BN/WH	2609	Right Rear Park Lamps Supply Voltage
M87	D-GN	21	Marker Lamps Supply Voltage
M87A	--	--	Not Used
N30	PK	2677	Battery Positive Voltage
N85	PK	239	Ignition 1 Voltage
N86	BK	450	Ground
N87	OG	1440	Battery Positive Voltage
N87A	--	--	Not Used

Pin	Wire Color	Circuit No.	Function
P30	GY	5481	Ground
P85	BK/WH	1120	Ground
P86	BN	5347	Ground
P87	BK/WH	1120	Ground
P87A	--	--	Not Used
R1	BK	755	Battery Positive Voltage
R2	YE	343	Accessory Voltage
R3	--	755	Battery Positive Voltage Bus
R4	OG	2040	Battery Positive Voltage
R5	BN	9	Park Lamp Supply Voltage
R6	BN	2509	Left Rear Park Lamps Supply Voltage
R7	--	9	Park Lamp Supply Voltage Bus
R8	BN/WH	2609	Right Rear Park Lamps Supply Voltage
S1-S2	--	--	Not Used
S3	YE	18	Left Rear Stop Turn Lamp Supply Voltage
S4	YE	618	Left Rear Turn Signal Lamp Supply Voltage
S5-S6	--	--	Not Used
S7	WH	17	Stop Lamp Switch Signal
S8	L-BU	1320	Stop Lamp Supply Voltage
T1-T2	--	--	Not Used
T3	D-GN	19	Right Rear Stop Turn Lamp Supply Voltage
T4	D-GN	619	Right Rear Turn Signal Lamp Supply Voltage
T5-T8	--	--	Not Used

Location Views – U/H Fuse Center

Back Right of Engine Compartment

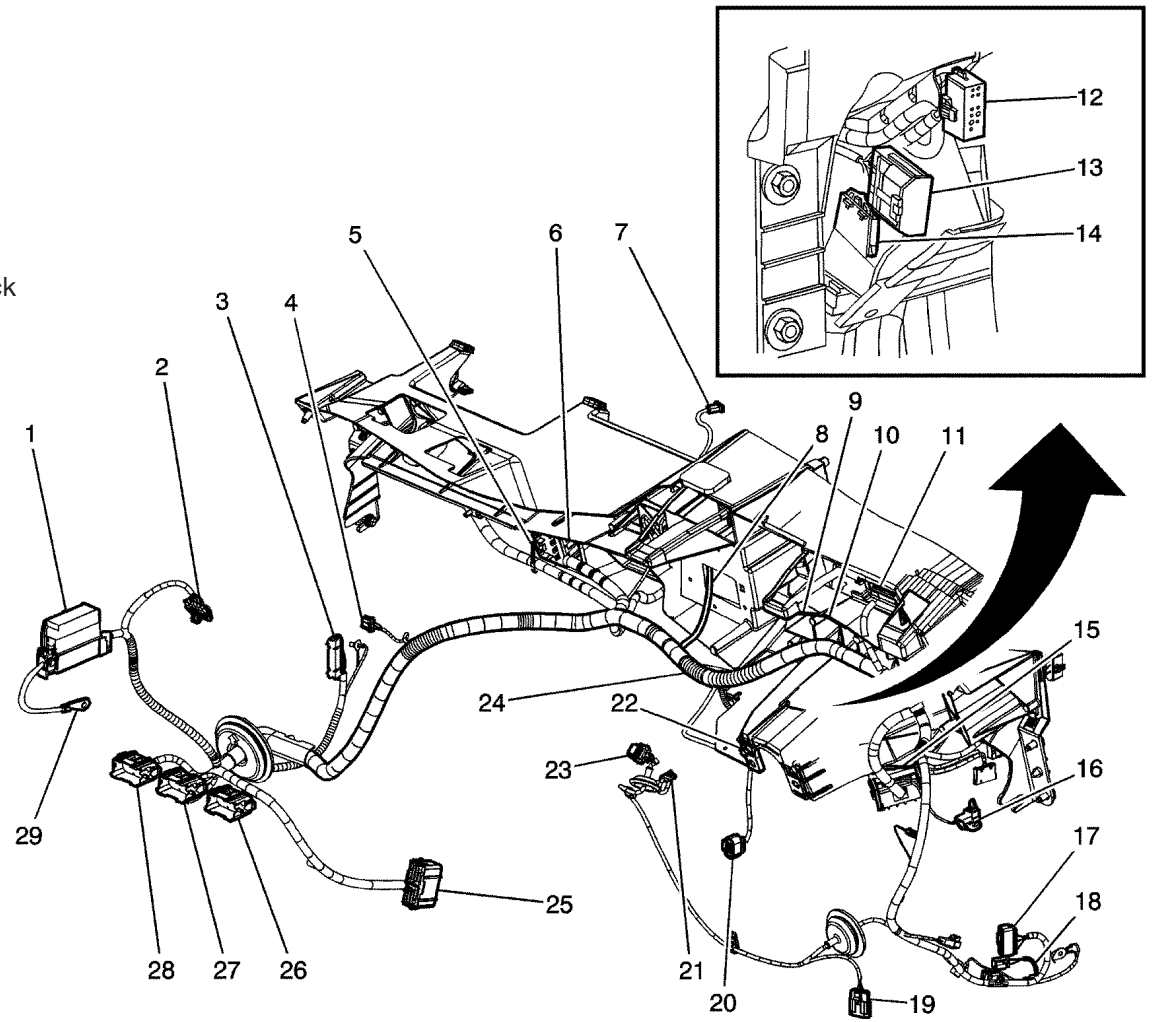
(1) Engine Harness
(2) Fuse Block - Underhood
(3) Remote Battery Stud
(4) Positive Battery Cable



Location Views – I/P Harness w/IP-1 & IP-2

I/P Harness

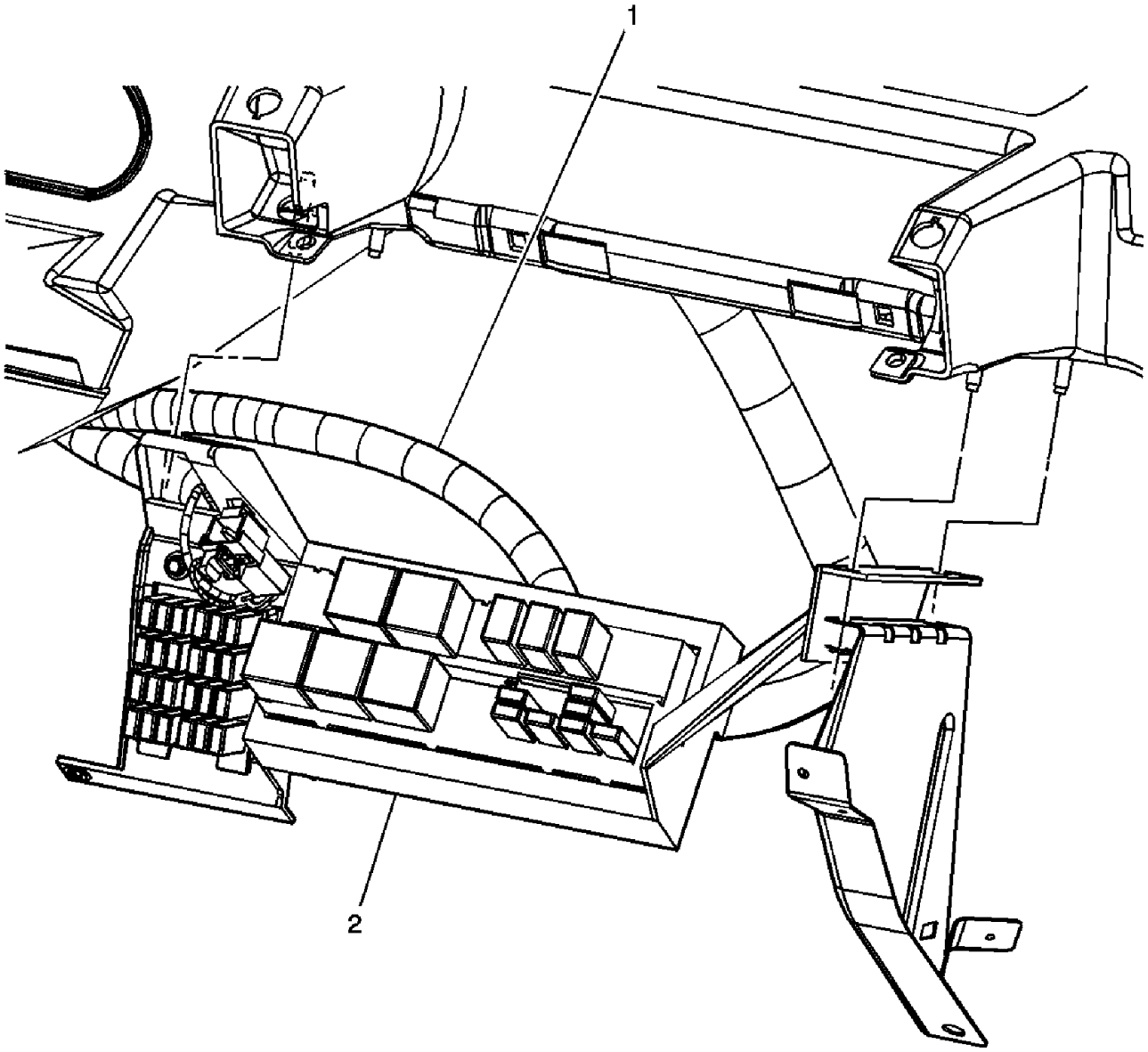
(1) Fuse Block - Underhood (Secondary)
(2) Blower Motor Resistor Assembly (C40/C60)
(3) X207 (30 cavities)
(4) Inflatable Restraint I/P Module (AK5)
(5) Fuse Block - I/P - 1
(6) Fuse Block - I/P - 2
(7) Air Brake Pressure Gauge Lamp (JE4), Differential Lock Switch Lamp (HNB/HPL/HPN), Inter-Axle Differential Lock Switch Lamp (Tandem Axle), Rear Axle Driver Control Switch Lamp - Two Speed (HR1/Automatic Transmission)
(8) HVAC Control Assembly (C40/C60)
(9) Turn Signal/Hazard Flasher Module
(10) Daytime Running Lights (DRL) Diode
(11) Instrument Panel Cluster (IPC)
(12) Headlamp Switch
(13) Daytime Running Lights (DRL) Module
(14) JX 203 (12 cavities)
(15) X201 (48 cavities)
(16) Inflatable Restraint Steering Wheel Module (AJ3/AK5)
(17) X211 (22 cavities)
(18) X215 (8 cavities)
(19) X150 (4 cavities)
(20) Accelerator Pedal Position (APP) Sensor
(21) Radio
(22) Serial Data Gateway (SDG)
(23) Driver Information Center (DIC)
(24) Engine Control Module
(25) X126 (40 cavities)
(26) X109 (40 cavities)
(27) X200
(28) X118



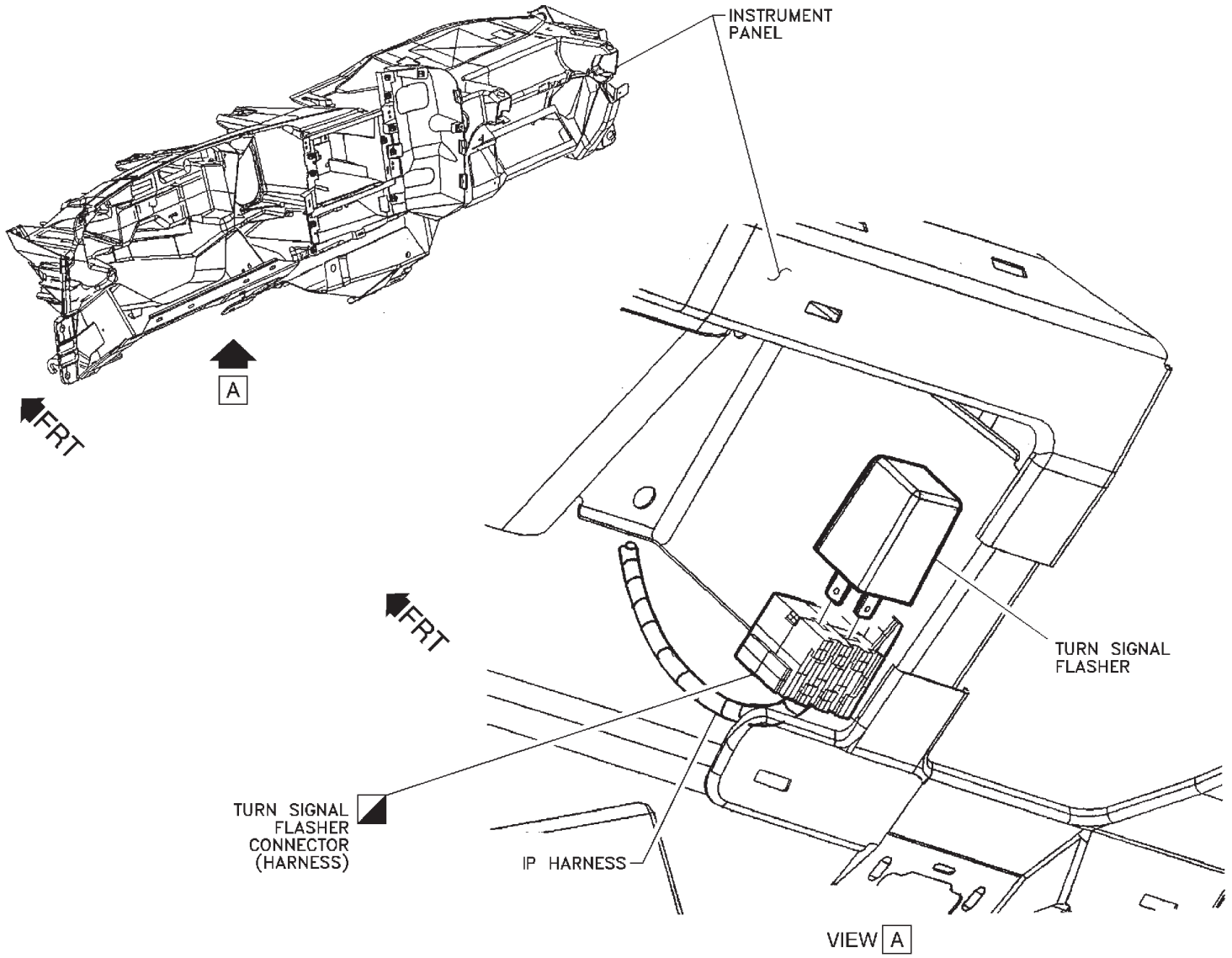
Location Views – I/P-2 Fuse Center

Lower Right I/P

(1) I/P Harness
(2) Fuse Block - I/P - 2



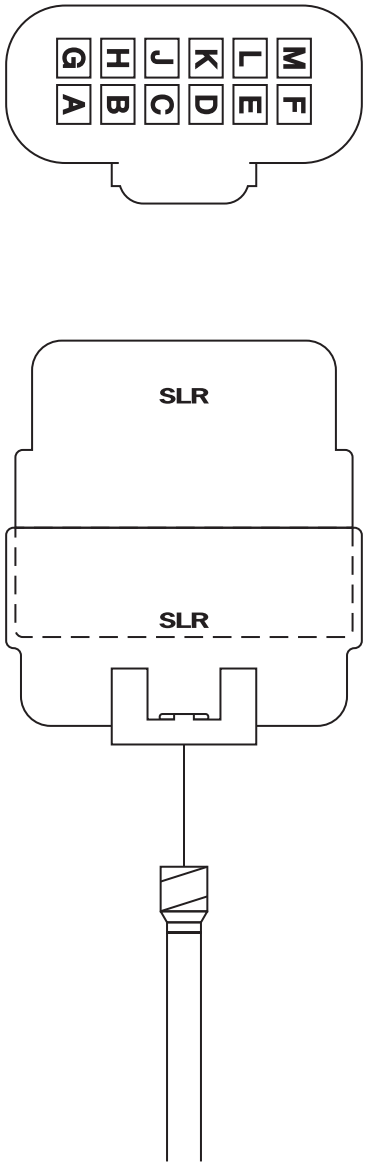
Turn Signal Flasher



12-Way Body Builder Connector

Connector	TRUCK SIDE Packard 280 Series	BODY BUILDER SIDE	
Typical connector	PPN 15326910 (F)	PPN 15326915 (M)	SPN 15326915
Typical terminal	PPN 15304719	PPN 15304731	SPN 15304731
Typical cable seal	PPN 12191221	PPN 12191232	SPN 15366065

Pin	Wire		Function
	Ckt#	Color	
A	1827	YEL/BLK	128,000 Pulses/Mile*
B	2609	BRN/WHT	Right Park Lamp
C	318	YEL	Lt Stop/Turn (Fam2), Lt Turn (Fam3)
D	2509	BRN	Lt Park Lamp
E	1320	BLU LT	Stop
F	641	BRN	IGN 3 15A
G	21	GRN DK	Marker Lamp 20A
H	350	BLK	GND Zone 3B
J	TBD	–	Spare
K	319	GRN DK	Rt Stop/Turn (Fam2), Rt Turn (Fam3)
L	24	GRN LT	Back Up
M	TBD	–	Spare

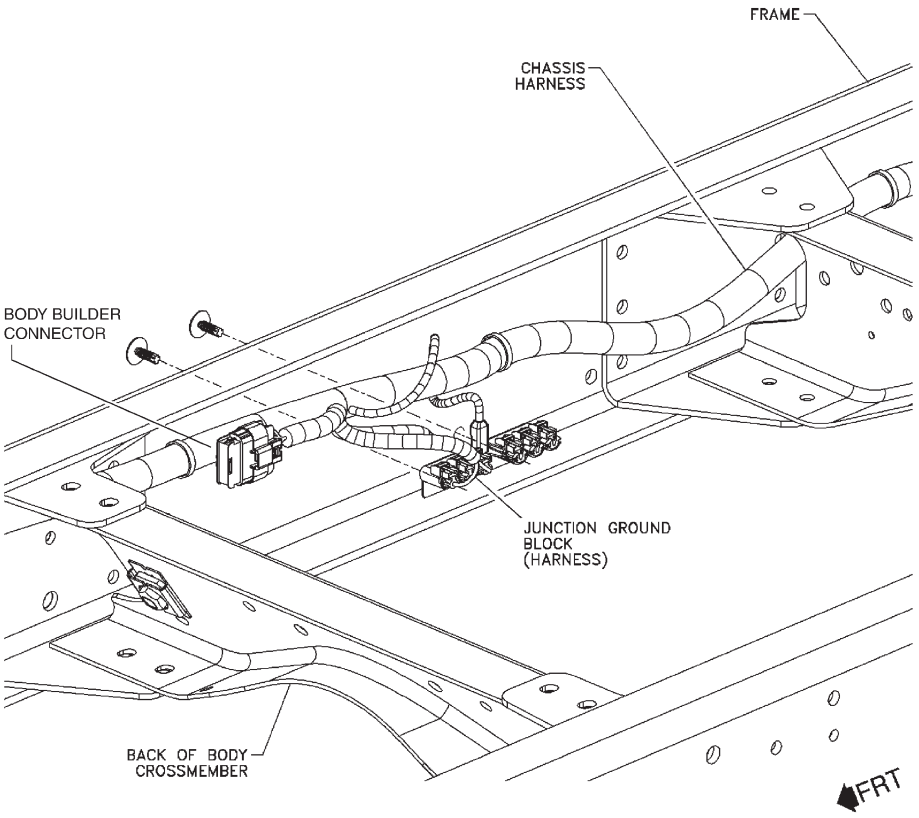


PPN = Production Part Number
SPN = Service Part Number

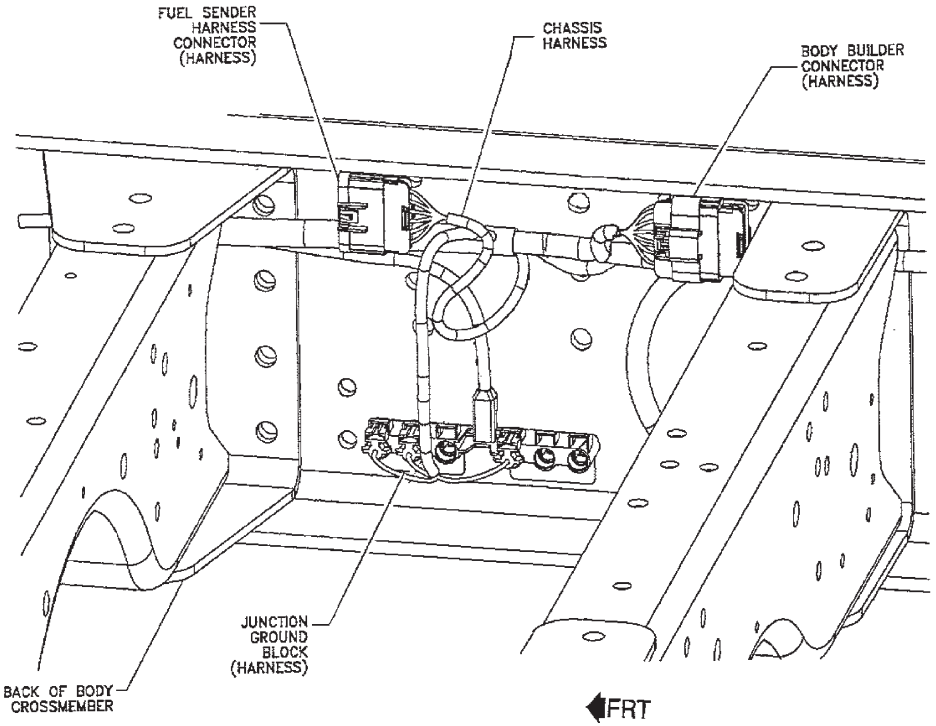
*4000 ppm (LG4/LF8 and LG5)

Body Builder Connector Location

Family 2



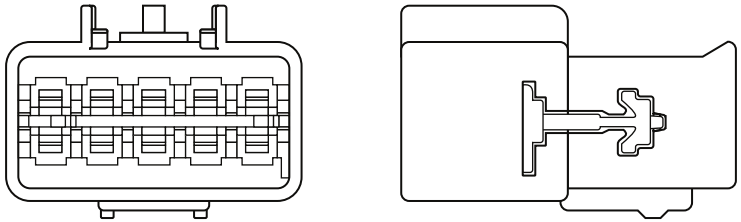
Family 3



10-Way Bus Connector (top) / 2-Way Bus Connector (bottom) – Family 2

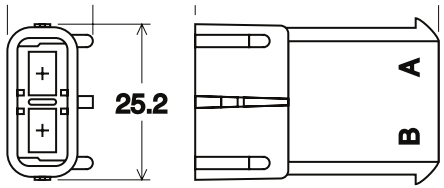
	TRUCK SIDE	BODY BUILDER SIDE
Connector	Packard GT 280 Series	
Typical connector	15326935 (M)	15326931 (F)
Typical terminal	15304722	15304710

Pin	Wire		Function
	Ckt #	Color	
A	24	GRN LT	Back Up
B	2609	BRN/WHT	Right Park
C	318	YEL	Left Turn
D	2509	BRN	Left Park
E	1320	BLU LT	Stop
F	—	—	Spare
G	—	—	Spare
H	350	BLK	Gnd Zone 3B
J	—	—	Spare
K	319	GRN DK	Right Turn

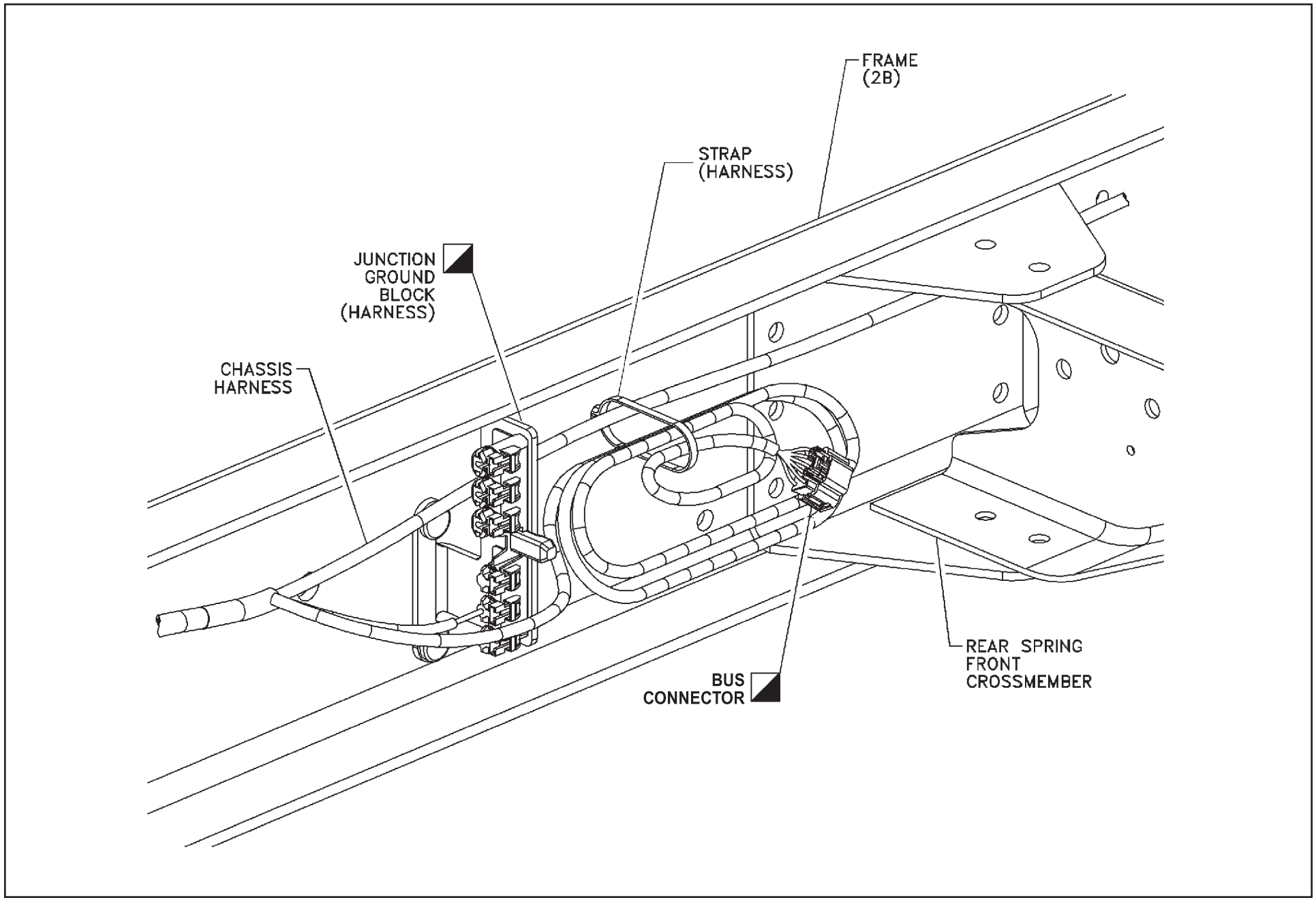


	TRUCK SIDE	BODY BUILDER SIDE
Connector	Packard MP 280 Series	
Typical connector	15300027 (F)	15300002
Typical terminal	12129493	12129497
Typical cable seal	15324980	15324980

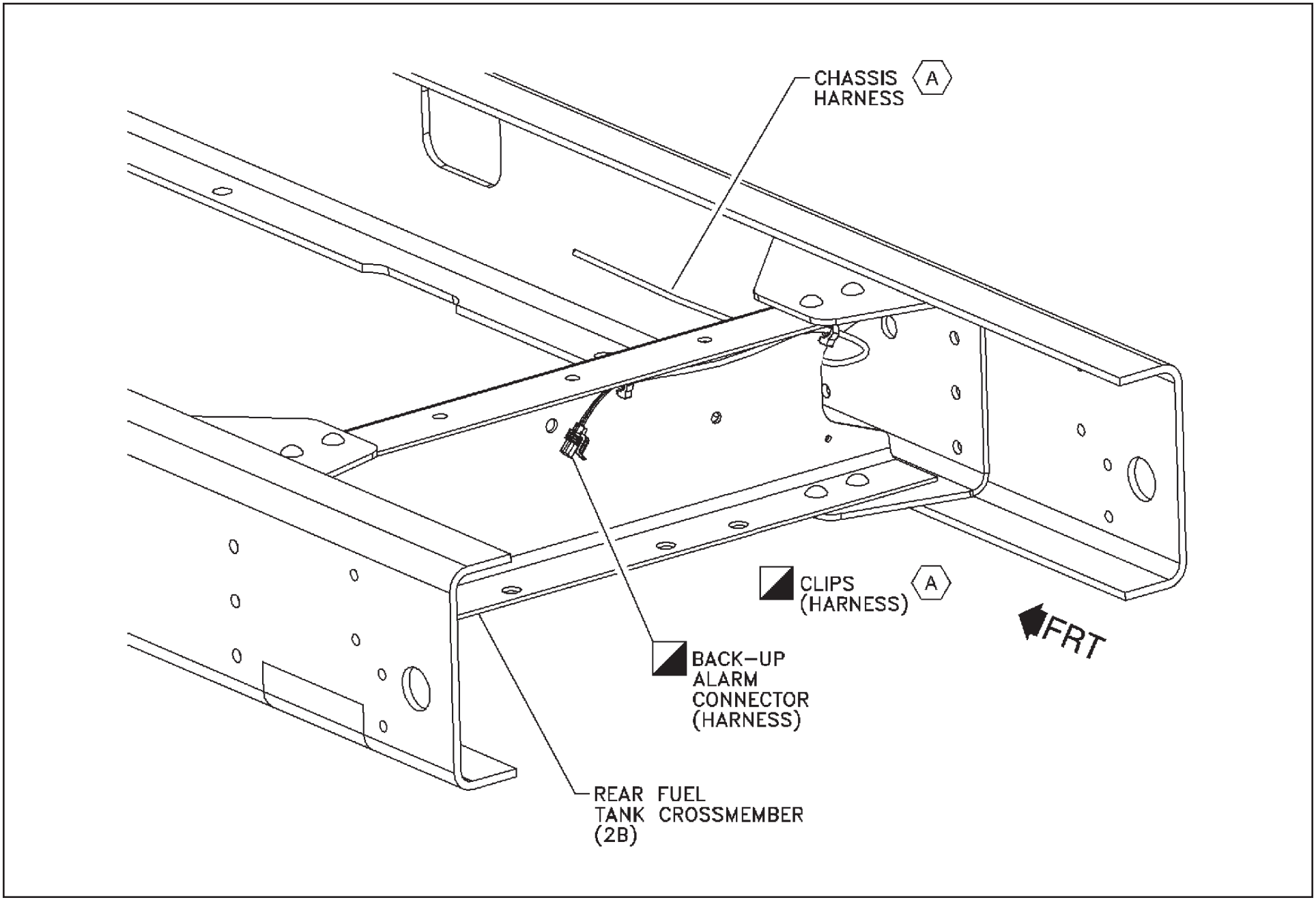
Pin	Wire		Function
	Ckt #	Color	
A	24	GRN LT	Back Up
B	350	BLK	Gnd Zone B



Bus Connector Location – Family 2



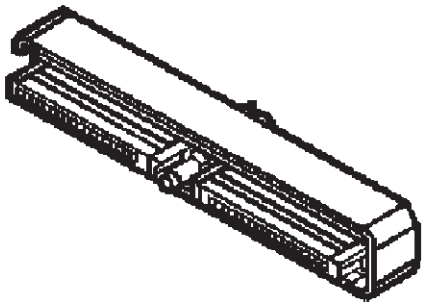
Bus Connector Location – Family 2

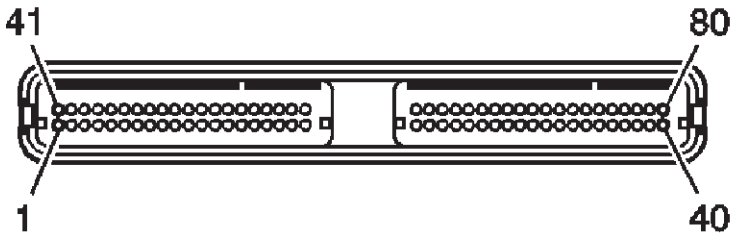


8.1L (L18) Powertrain Control Module (PCM) – Connector C-1

Connector	80-Way F Micro-Pack 100W Sealed (BU)
Typical Connector	12191489 (F)
Color	**BLU**
Typical Terminal	– – –
Typical Cable Seal	– – –

Pin	Wire Color	Circuit No.	Function
1	BK/WH	351	Ground
2	L-GN	1867	12-Volt Reference
3	PK/BK	1746	Fuel Injector 3 Control
4	L-GN/BK	1745	Fuel Injector 2 Control
5-6	—	—	Not Used
7	GY	705	5-Volt Reference
8-10	—	—	Not Used
11	L-BU	1876	Knock Sensor 2 Signal
12	D-BU/WH	1869	CKP Sensor Signal
13	OG/BK	463	Requested Torque Signal
14	OG/BK	1061	UART Serial Data (Secondary)
15	D-BU/WH	774	UART Serial Data (Tertiary)
16-18	—	—	Not Used
19	PK	439	Ignition 1 Voltage
20	OG	440	Battery Positive Voltage
21	YE/BK	1868	Low Reference
22	L-GN	488	PTO On Switch Signal
23	BK	470	Low Reference
24	BK/WH	251	Ground
25	—	—	Not Used
26	TN	1677	HO2S Low Signal - Bank 2 Sensor 1
27	BK/WH	251	Ground
28	—	—	Not Used
29	TN	1664	HO2S Low Signal - Bank 1 Sensor 1
30	L-GN	1478	Coolant Level Switch Signal
31	D-GN	534	High Idle Switch Signal





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8.1L (L18) Powertrain Control Module (PCM) – Connector C-1 (continued)

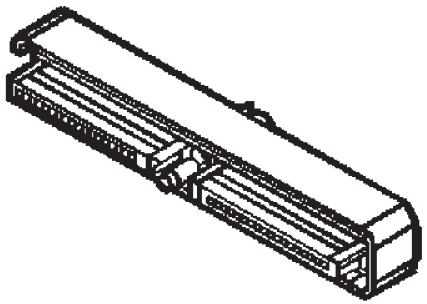
Pin	Wire Color	Circuit No.	Function
32	BK/WH	771	Transmission Range Switch Signal A (Allison® MD)
33	PU	420	TCC Brake Switch/Cruise Control Release Signal
34	WH	776	Transmission Range Switch Signal - Parity Bit (Allison® MD)
35	BN/WH	379	CPP Switch Signal (Manual Trans.)
36	BK	1744	Fuel Injector 1 Control
37	YE/BK	846	Fuel Injector 6 Control
38	—	—	Not Used
39	YE	447	Starter Relay Coil Control
40	BK/WH	351	Ground
41	PU	719	Low Reference (Manual Trans.)
42	—	—	Not Used
43	RD/BK	877	Fuel Injector 7 Control
44	L-BU/BK	844	Fuel Injector 4 Control
45-47	—	—	Not Used
48	GY	597	5-Volt Reference
49-50	—	—	Not Used
51	D-BU	496	Knock Sensor 1 Signal
52	YE	2522	PTO Engage Signal
53	—	—	Not Used
54	OG/BK	469	Low Reference
55-56	—	—	Not Used

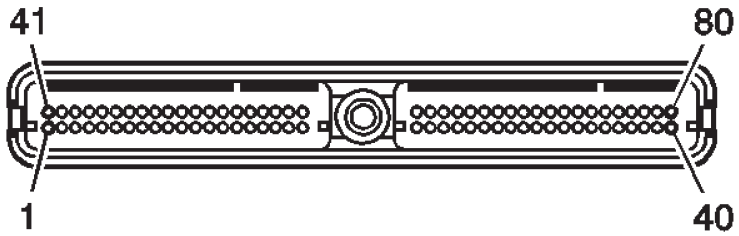
Pin	Wire Color	Circuit No.	Function
57	OG	440	Battery Positive Voltage
58	D-GN	1049	ECM/PCM/VCM Class 2 Serial Data
59-60	—	—	Not Used
61	PK/BK	632	Low Reference
62	—	—	Not Used
63	BK	407	Low Reference
64-65	—	—	Not Used
66	PU	1666	HO2S High Signal - Bank 2 Sensor 1
67-68	—	—	Not Used
69	PU/WH	1665	HO2S High Signal - Bank 1 Sensor 1
70	BN	1174	Oil Level Switch Signal
71	L-BU	494	Primary Brake Indicator Control
72	YE	772	Transmission Range Switch Signal B (Allison® MD)
73	BN/WH	633	CMP Sensor Signal
74	YE	410	ECT Sensor Signal
75	PK	1020	Off/Run/Crank Voltage
76	BK/WH	845	Fuel Injector 5 Control
77	D-BU/WH	878	Fuel Injector 8 Control
78	PU	2562	PTO Control
79	—	—	Not Used
80	GY	720	Low Reference

8.1L (L18) Powertrain Control Module (PCM) – Connector C-2

Connector	80-Way F Micro-Pack 100W Sealed (GN)
Typical Connector	12191488 (F)
Color	**GRN**
Typical Terminal	– – –
Typical Cable Seal	– – –

Pin	Wire Color	Circuit No.	Function
1	BK/WH	351	Ground
2	WH	2467	Crankshaft Sensor Supply Voltage (Allison® MD)
3	TN	1465	Fuel Pump Relay Control - Secondary
4	—	—	Not Used
5	TN/BK	464	Delivered Torque Signal (Allison® MD)
6-7	—	—	Not Used
8	—	—	Not Used
9	D-GN/WH	465	Fuel Pump Relay Control - Primary
10	WH	121	Engine Speed Signal
11-14	—	—	Not Used
15	BN	25	Charge Indicator Control
16	—	—	Not Used
17	D-GN/WH	762	A/C Request Signal
18	—	—	Not Used
19	GY/BK	1467	Air Shift Switch Signal (Allison® MD)
20	D-GN	2222	Signal Low - Rear
	—	—	Not Used
21	L-BU	2221	Signal High - Rear
22-23	—	—	Not Used
24	—	—	Not Used
25	TN	472	IAT Sensor Signal
26	PU	2121	IC 1 Control
27	RD	2127	IC 7 Control
28	L-BU/WH	2126	IC 6 Control
29	D-GN/WH	2124	IC 4 Control





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8.1L (L18) Powertrain Control Module (PCM) – Connector C-2 (continued)

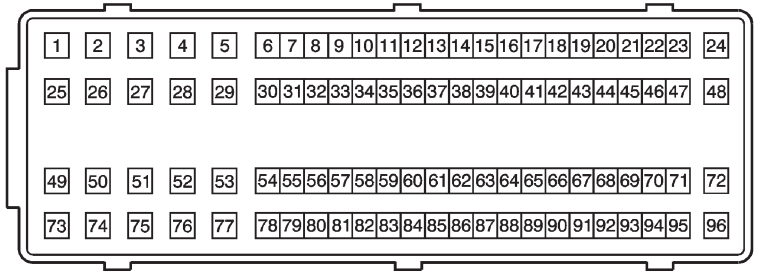
Pin	Wire Color	Circuit No.	Function
30	—	—	Not Used
31	YE	492	MAF Sensor Signal
32	L-GN	432	MAP Sensor Signal
33	—	—	Not Used
34	D-GN/WH	428	EVAP Canister Purge Solenoid Control
35-38	—	—	Not Used
39	RD	631	12-Volt Reference
40	BK/WH	351	Ground
41-42	—	—	Not Used
43	D-GN/WH	459	A/C Compressor Clutch Relay Control
44	RD	2013	High Idle Indicator Control
45	—	—	Not Used
46	BN/WH	419	MIL Control
47-48	—	—	Not Used
49	YE/BK	1827	Vehicle Speed Signal
50	D-GN/WH	817	Vehicle Speed Signal
51-53	—	—	Not Used
54	PU	1589	Fuel Level Sensor Signal - Primary
55	D-GN	603	Low Coolant Indicator Control
56	—	—	Not Used

Pin	Wire Color	Circuit No.	Function
57	BK	552	Low Reference
58	TN/WH	332	Oil Pressure Sensor Signal
59	D-GN	1433	PNP/Clutch Start Switch Signal
60	BN	2129	Low Reference
61	BN/WH	2130	Low Reference
62	GY	773	Transmission Range Switch Signal C (Allison® MD)
63-65	—	—	Not Used
66	PU/WH	2128	IC 8 Control
67	RD/WH	2122	IC 2 Control
68	D-GN	2125	IC 5 Control
69	L-BU	2123	IC 3 Control
70-71	—	—	Not Used
72	BK/WH	3213	HO2S Heater High Control - Bank 2 Sensor 1
73	D-BU	1936	Fuel Level Sensor Signal - Secondary
74	L-GN	3212	HO2S Heater Low Control - Bank 2 Sensor 1
75	GY	23	Generator Field Duty Cycle Signal
76-80	—	—	Not Used

7.8L (LG4) Engine Control Module (ECM) – Connector C-1

Connector	96-Way F Bosch (BK)
Typical connector	1928404781 (F)
Color	**BLK**
Typical Terminal	– – –
Typical Cable Seal	– – –

Pin	Wire Color	Circuit No.	Function
1	BK/WH	351	Ground
2	BK/WH	351	Ground
3	BK/WH	351	Ground
4	BK/WH	351	Ground
5	BK/WH	351	Ground
6	—	—	Not Used
7	BN	1271	Low Reference
8	PU	1272	Low Reference
9	GY	1273	Low Reference
10-11	—	—	Not Used
12	BK	470	Low Reference
13-16	—	—	Not Used
17	YE	2361	SAE J1939 Serial Data Bus+
18	D-GN	2362	SAE J1939 Serial Data Bus–
19	—	—	Not Used
20	D-GN	1049	ECM Class 2 Serial Data A
21	—	—	Not Used
22	PK	1020	Ignition 0 Voltage
23	PK	439	Ignition 1 Voltage
24-25	—	—	Not Used
26	BK/WH	351	Ground
27	BK/WH	351	Ground
28	WH	121	Engine Speed Signal
29-30	—	—	Not Used
31	D-BU	1161	APP Sensor 1 Signal
32	L-BU	1162	APP Sensor 2 Signal



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7.8L (LG4) Engine Control Module (ECM) – Connector C-1 (continued)

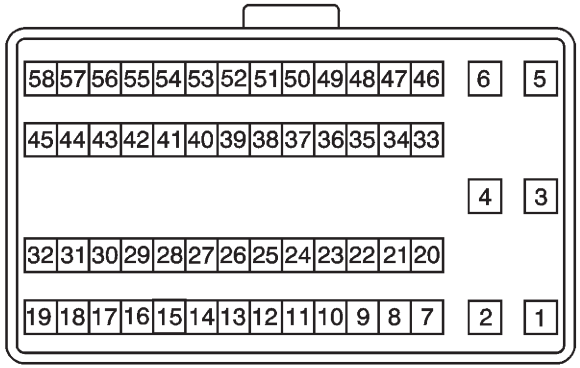
Pin	Wire Color	Circuit No.	Function
33	D-GN	1163	APP Sensor 3 Signal
34-36	—	—	Not Used
37	PU	1589	Fuel Level Signal – Primary
38	D-BU	1936	Fuel Level Signal – Secondary
39	L-BU	2221	Signal High – Rear (Manual Trans.)
	—	—	Not Used (Automatic Trans.)
40	D-GN	2222	Signal Low – Rear (Manual Trans.)
	—	—	Not Used (Automatic Trans.)
41	GY	23	Generator Field Duty Cycle Signal
42	—	—	Not Used
43	GY/BK	1467	Shift Motor Relay – Control
44	—	—	Not Used
45	D-GN/WH	459	A/C Compressor Clutch Relay Control
46	GY	397	Cruise Control On Switch Signal
47	GY/BK	87	Cruise Control Resume/Accel Switch Signal
48	D-BU	84	Cruise Control Set/Coast Switch Signal
49	BK/WH	1120	Ignition 1 Voltage
50	BK/WH	1120	Ignition 1 Voltage
51	OG	440	Battery Positive Voltage
52	L-BU	1121	ECM Power Enable Signal
53	L-BU	1121	ECM Power Enable Signal
54	WH/BK	1164	5-Volt Reference
55	TN	1274	Oil Level Switch Signal
56	YE/BK	1275	5-Volt Reference
57-61	—	—	Not Used
62	L-BU	1320	Stop Lamp Switch Signal

Pin	Wire Color	Circuit No.	Function
63	PU	420	TCC Brake Switch/Cruise Control Release Signal
64	BN/WH	379	CPP Switch Signal (Manual Trans.)
	—	—	Not Used (Automatic Trans.)
65-66	—	—	Not Used
67	L-GN	2081	Exhaust Brake Request Signal (K40/NPE)
	—	—	Not Used (w/o K40/NPE)
68	D-GN	534	High Idle Switch Signal
69	—	—	Not Used
70	L-GN	1478	Coolant Level Switch Signal
71	L-GN	24	Backup Lamp Supply Voltage
72-73	—	—	Not Used
74	YE	505	Glow Plug Relay Control
75	PU	2562	PTO Control
76	YE	447	Starter Relay Coil Control
77	PU	2656	Exhaust Brake Relay Control (K40)
	—	—	Not Used (w/o K40)
78	RD	2013	High Idle Indicator Control
79	D-BU	507	Wait to Start Indicator Control
80	BK/WH	419	MIL Control
81	D-GN/WH	817	Vehicle Speed Signal
82	YE/BK	1827	Vehicle Speed Signal
83-92	—	—	Not Used
93	L-GN	488	PTO On Switch Signal
94	L-BU	494	PTO Engine Kill Signal
95	YE	2522	PTO Engage Signal
96	D-GN	1433	PNP/Clutch Start Switch Signal

7.8L (LG4) Engine Control Module (ECM) – Connector C-2

Connector	58-Way F Bosch (BK)
Typical connector	1928404752 (F)
Color	**BLK**
Typical Terminal	– – –
Typical Cable Seal	– – –
Individual Cable Seal	– – –

Pin	Wire Color	Circuit No.	Function
1	BK	B1	Turbocharger Vane Position Control Solenoid Valve High Control
2	—	—	Not Used
3	WH	B3	Fuel Injector Supply Voltage 1
4	RD	B4	Fuel Injector Supply Voltage 2
5	WH	B5	Fuel Injector Supply Voltage 1
6	RD	B6	Fuel Injector Supply Voltage 2
7	BK/WH	B7	EGR Motor U Supply Voltage
8	D-GN	B8	EGR Motor V Supply Voltage
9	RD/YE	B9	EGR Motor W Supply Voltage
10-11	—	—	Not Used
12	BK	B12A	Low Reference
13	BK	B13A	Low Reference
14	BK/YE	B14	Low Reference
15	GY	B15A	Low Reference
16	BK	B16A	Low Reference
17	WH/BK	B17	Ground
18	BK	B18A	Drain Wire
19	GY	B19	Drain Wire
20	RD	B20	SCV Low Signal
21	RD	B21	SCV Low Signal
22-23	—	—	Not Used
24	WH	B24	MAP Sensor Signal
25	WH	B25A	Fuel Pressure Sensor Signal
26	WH	B26	Fuel Pressure Sensor Signal



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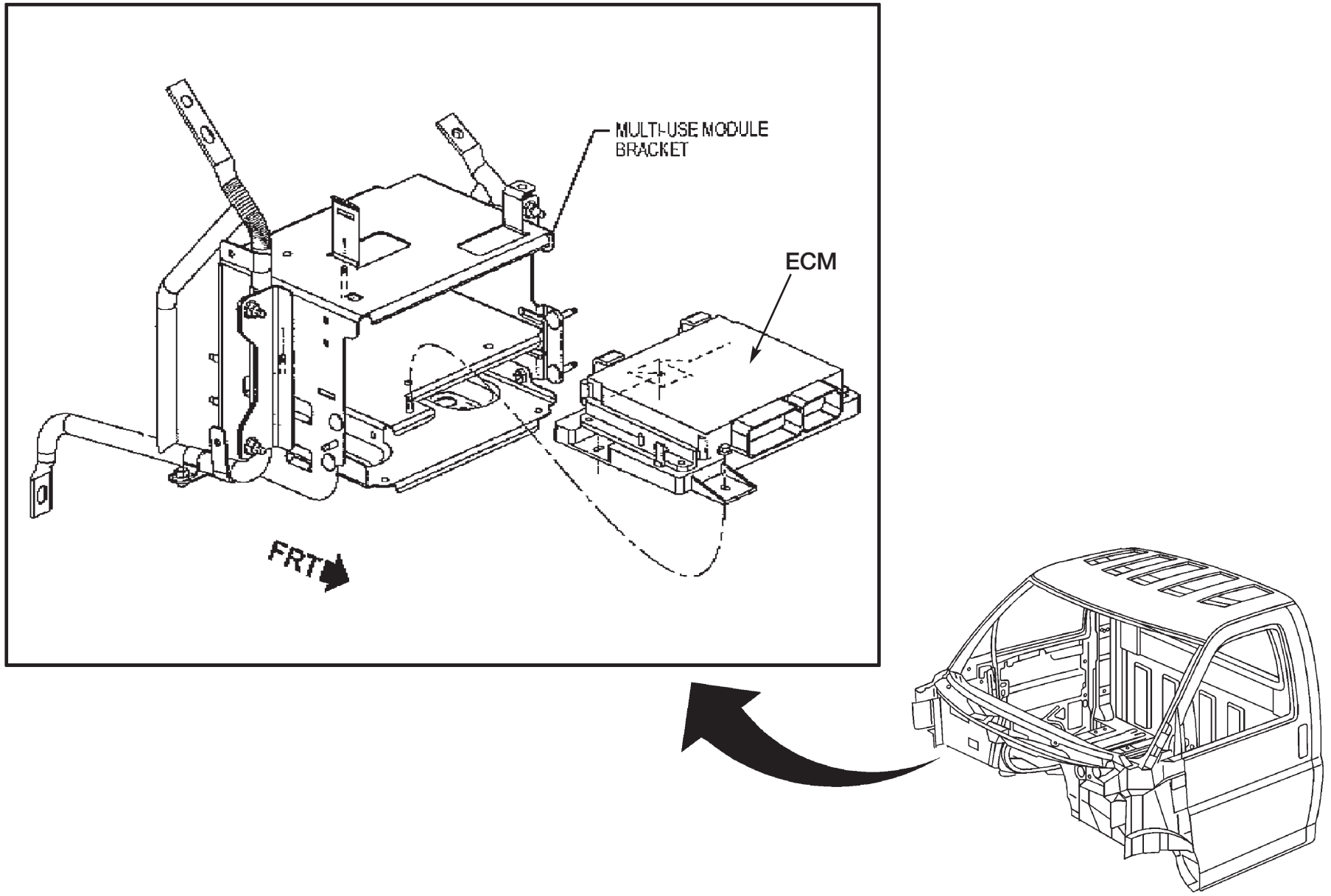
7.8L (LG4) Engine Control Module (ECM) – Connector C-2 (continued)

Pin	Wire Color	Circuit No.	Function
27	GY	B27	Oil Pressure Sensor Signal
28	WH	B28	MAF Sensor Signal
29	WH	B29	Turbocharger Vane Position Signal
30	WH	B30	CMP Sensor Low
31	WH	B31	CKP Sensor High
32	BK	B32	CKP Sensor Low
33	WH	B33	SCV High Signal
34	WH	B34	SCV High Signal
35	D-BU/WH	B35	ECT Sensor Signal
36	—	—	Not Used
37	D-GN/WH	B37	IAT Sensor Signal
38	D-BU/RD	B38	EGR Motor Position U Signal
39	WH/RD	B39	EGR Motor Position V Signal
40	YE/RD	B40	EGR Motor Position W Signal
41	YE	B41	Fuel Temperature Sensor Signal

Pin	Wire Color	Circuit No.	Function
42	RD	B42	Low Reference
43	RD	B43	Fuel Injector 6 Control
44	BK	B44	Fuel Injector 4 Control
45	BK/RD	B45	Fuel Injector 5 Control
46	RD	B46	5-Volt Reference
47	RD	B47	5-Volt Reference
48	WH	B48	5-Volt Reference
49	WH	B49	5-Volt Reference
50	RD	B50	5-Volt Reference
51	RD	B51	5-Volt Reference
52	D-GN	B52	Oil Level Switch Signal
53-55	—	—	Not Used
56	WH	B56	Fuel Injector 3 Control
57	D-BU	B57	Fuel Injector 2 Control
58	YE	B58	Fuel Injector 1 Control

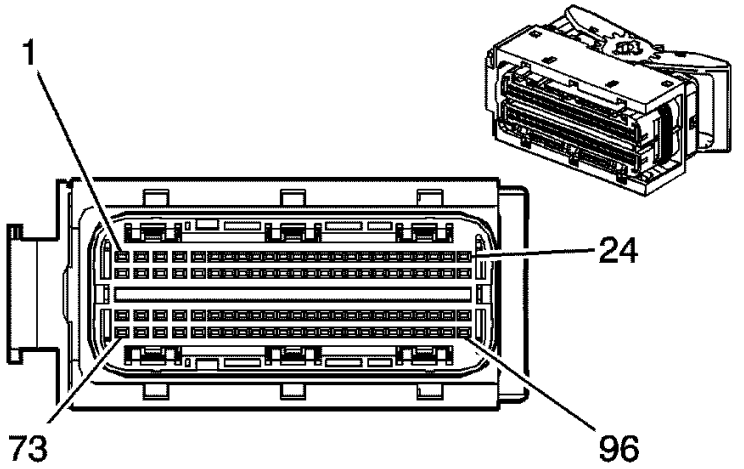
7.8L (LG4) ECE Engine Control Module (ECM) Location



7.8L (LF8) Engine Control Module (ECM) – Connector C-1

Connector Part Information
OEM: 1 928 404 781
Service: 19149311
Description: 96-Way F Bosch (BK)
Terminal Part Information
Terminal/Tray: 1928498135/19
Core/Insulation Crimp:
Pins: 1-3, 7-9, 12, 17-18, 20, 22-23, 26-28, 31-33, 37-41, 43, 45-48, 54-56, 62-64, 67-68, 70-71, 76-82, 93-96 : J/J
Core/Insulation Crimp: Pins: 4-5, 49-53, 74-75 : K/K
Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)

Pin	Wire Color	Circuit No.	Function
1	BK/WH	351	Ground
2	BK/WH	351	Ground
3	BK/WH	351	Ground
4	BK/WH	351	Ground
5	BK/WH	351	Ground
6	--	--	Not used
7	BN	1271	Low Reference
8	PU	1272	Low Reference
9	GY	1273	Low Reference
10-11	--	--	Not Used
12	BK	470	Low Reference
13-16	--	--	Not Used
17	YE	2361	SAE J1939 Serial Data Bus+
18	D-GN	2362	SAE J1939 Serial Data Bus-
19	--	--	Not Used
20	D-GN	1049	ECM Class 2 Serial Data A
21	--	--	Not Used
22	PK	1020	Ignition 0 Voltage
23	PK	439	Ignition 1 Voltage



Pin	Wire Color	Circuit No.	Function
24-25	--	--	Not Used
26	BK/WH	351	Ground
27	BK/WH	351	Ground
28	WH	121	Engine Speed Signal
29-30	--	--	Not Used
31	D-Bu	1161	APP Sensor 1 Signal
32	L-BU	1162	APP Sensor 2 Signal
33	D-GN	1163	APP Sensor 3 Signal
9	GY	1273	Low Reference
34-36	--	--	Not Used
37	PU	1589	Fuel Level Signal - Primary
38	D-Bu	1936	Fuel Level Signal - Secondary
39	L-BU	2221	Signal High - Rear (Manual Transmission)
40	D-GN	2222	Signal Low - Rear (Manual Transmission)

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7.8L (LF8) Engine Control Module (ECM) – Connector C-1 (continued)

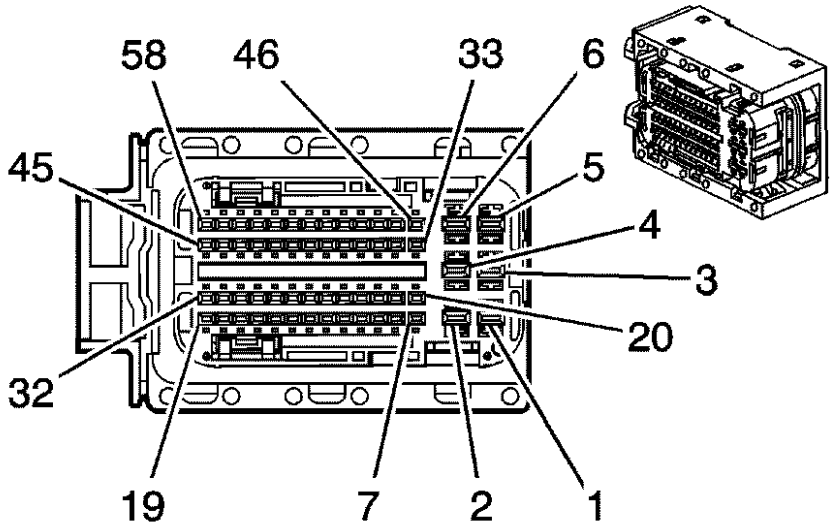
Pin	Wire Color	Circuit No.	Function
41	GY	23	Generator Field Duty Cycle Signal
42	--	--	Not Used
43	GY/BK	1467	Shift Motor Relay - Control
44	--	--	Not Used
45	D-GN/WH	459	A/C Compressor Clutch Relay Control
46	GY	397	Cruise Control On Switch Signal
47	GY/BK	87	Cruise Control Resume/Accel Switch Signal
48	D-Bu	84	Cruise Control Set/Coast Switch Signal
49	BK/WH	1120	Ignition 1 Voltage
50	BK/WH	1120	Ignition 1 Voltage
51	OG	440	Battery Positive Voltage
52	L-BU	1121	ECM Power Enable Signal
53	L-BU	1121	ECM Power Enable Signal
54	WH/BK	1164	5-Volt Reference
55	TN	1274	Oil Level Switch Signal
56	YE/BK	1275	5-Volt Reference
57-61	--	--	Not Used
62	L-BU	1320	Stop Lamp Switch Signal
63	PU	420	TCC Brake Switch/Cruise Control Release Signal
64	BN/WH	379	CPP Switch Signal (Manual Transmission)
65-66	--	--	Not Used
67	L-GN	2081	Exhaust Brake Request Signal (K40/NPE)
68	D-GN	534	High Idle Switch Signal

Pin	Wire Color	Circuit No.	Function
69	--	--	Not Used
70	L-GN	1478	Coolant Level Switch Signal
71	L-GN	24	Backup Lamp Supply Voltage
72-73	--	--	Not Used
74	YE	505	Glow Plug Relay Control
75	PU	2562	PTO Control
76	YE	447	Starter Relay Coil Control
77	PU	2656	Exhaust Brake Relay Control (K40)
78	RD	2013	High Idle Indicator Control
79	D-BU	507	Wait to Start Indicator Control
80	BN/WH	419	MIL Control
81	D-GN/WH	817	Vehicle Speed Signal
82	YE/BK	1827	Vehicle Speed Signal
83-92	--	--	Not Used
93	L-GN	488	PTO On Switch-Signal
94	L-BU	494	PTO Engine Kill Switch
95	YE	2522	PTO Engage Signal
96	D-GN	1433	PNP/Clutch Start Switch Signal

7.8L (LF8) Engine Control Module (ECM) – Connector C-2

Connector Part Information
OEM: 1 928 404 752
Service: See Catalog
Description: 58-Way F Bosch (BK)
Terminal Part Information
Terminal/Tray: See Terminal Repair Kit
Core/Insulation Crimp: See Terminal Repair Kit
Core/Insulation Crimp: Pins: 4-5, 49-53, 74-75 : K/K
Release Tool/Test Probe: See Terminal Repair Kit

Pin	Wire Color	Circuit No.	Function
1	BK	B1	Turbocharger Vane Position Control Solenoid Valve High Control
2	--	--	Not Used
3	WH	B3	Injector Positive Voltage Control 1
4	RD	B4	Injector Positive Voltage Control 2
5	WH	B5	Injector Positive Voltage Control 1
6	RD	B6	Injector Positive Voltage Control 2
7	BK/WH	B7	EGR Motor U Supply Voltage
8	D-GN	B8	EGR Motor V Supply Voltage
9	RD/YE	B9	EGR Motor W Supply Voltage
10-11	--	--	Not Used
12	BK	B12A	Low Reference
13	BK	B13A	Low Reference
14	BK/YE	B14	Low Reference
15	GY	B15A	Low Reference
16	BK	B16A	Low Reference
17	WH/BK	B17	Ground
18	BK	B18A	Drain Wire
19	GY	B19	Drain Wire
20	RD	B20	SCV Low Signal
21	RD	B21	SCV Low Signal



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7.8L (LF8) Engine Control Module (ECM) – Connector C-2 (continued)

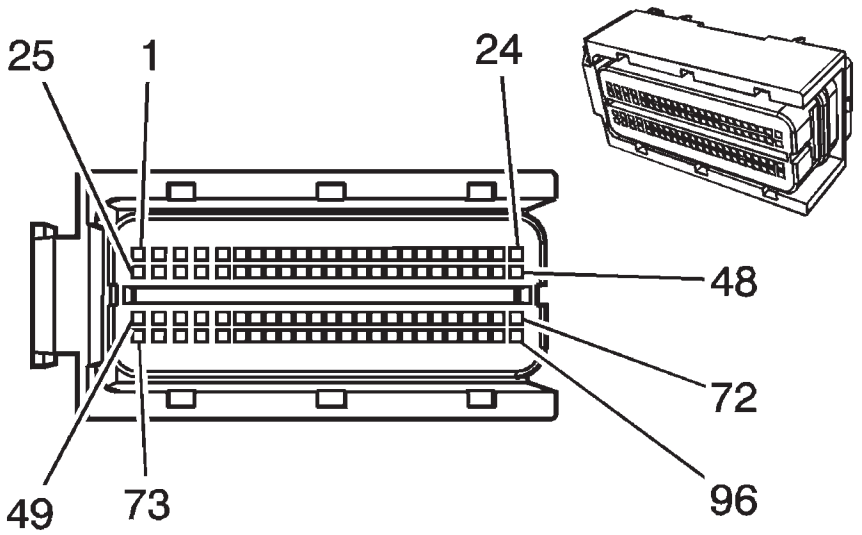
Pin	Wire Color	Circuit No.	Function
22-23	--	--	Not Used
24	WH	B24	MAP Sensor Signal
25	WH	B25A	Fuel Pressure Sensor Signal
26	WH	B26	Fuel Pressure Sensor Signal
27	GY	B27	Oil Pressure Sensor Signal
28	WH	B28	MAF Sensor Signal
29	WH	B29	Turbocharger Vane Position Signal
30	WH	B30	CMP Sensor Low
31	WH	B31	CKP Sensor High
32	BK	B32	CKP Sensor Low
33	WH	B33	SCV High Signal
34	WH	B34	SCV High Signal
35	D-BU/WH	B35	ECT Sensor Signal
36	--	--	Not Used
37	D-GN/WH	B37	IAT Sensor Signal
38	D-BU/RD	B38	EGR Motor Position U Signal
39	WH/RD	B39	EGR Motor Position V Signal

Pin	Wire Color	Circuit No.	Function
40	YE/RD	B40	EGR Motor Position W Signal
41	YE	B41	Fuel Temperature Sensor Signal
42	RD	B42	Low Reference
43	RD	B43	Fuel Injector 6 Control
44	BK	B44	Fuel Injector 4 Control
45	BK/RD	B45	Fuel Injector 5 Control
46	RD	B46	5-Volt Reference
47	RD	B47	5-Volt Reference
48	WH	B48	5-Volt Reference
49	WH	B49	5-Volt Reference
50	RD	B50	5-Volt Reference
51	RD	B51	5-Volt Reference
52	D-GN	B52	Oil level Switch Signal
53-55	--	--	Not Used
56	WH	B56	Fuel injector 3 Control
57	D-BU	B57	Fuel injector 2 Control
58	YE	B58	Fuel injector 1 Control

6.6L (LLY) Engine Control Module (ECM) – Connector C-1

Connector	96-Way F Mixed Series, Sealed (BK)
Typical Connector	15438366 (F)
Service	19149311
Color	BLK
Typical Terminal	---
Typical Cable Seal	---

Pin	Wire Color	Circuit No.	Function
1	OG	5421	Injector Positive Voltage Control Group 1
2	D-BU/WH	878	Fuel Injector 8 Control
3	RD/BK	877	Fuel Injector 7 Control
4-5	—	—	Not Used
6	OG/BK	469	Low Reference
7	PU	806	Crank Voltage (Automatic Transmission)
	D-GN	1433	Clutch Start Switch Signal (Manual Trans.)
8	BN	2522	PTO Engage Signal
9	BN	1174	Oil Level Switch Signal
10	GY/BK	87	Cruise Control Res./Acc. Switch Signal
9-10	—	—	Not Used
11	GY/BK	6272	Low Reference
12	GY	2704	5-Volt Reference 3
13	TN	5928	5-Volt Reference 3
14	—	—	Not Used
15	GY	2705	5-Volt Reference 2
16	—	—	Not Used
17	GY	2701	5-Volt Reference 1
18	YE	492	MAF Sensor Signal
19	L-GN	432	Turbocharger Boost Sensor Signal
20	YE	5947	Turbocharger Vane Position Sensor Signal
21-22	—	—	Not Used
23	BK	2755	Low Reference
24	PU/WH	2530	Fuel Pressure Regulator Solenoid Supply Voltage
25	PK	5425	Injector Positive Voltage Control Group 4
26	YE/BK	846	Fuel Injector 6 Control



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6.6L (LLY) Engine Control Module (ECM) – Connector C-1 (continued)

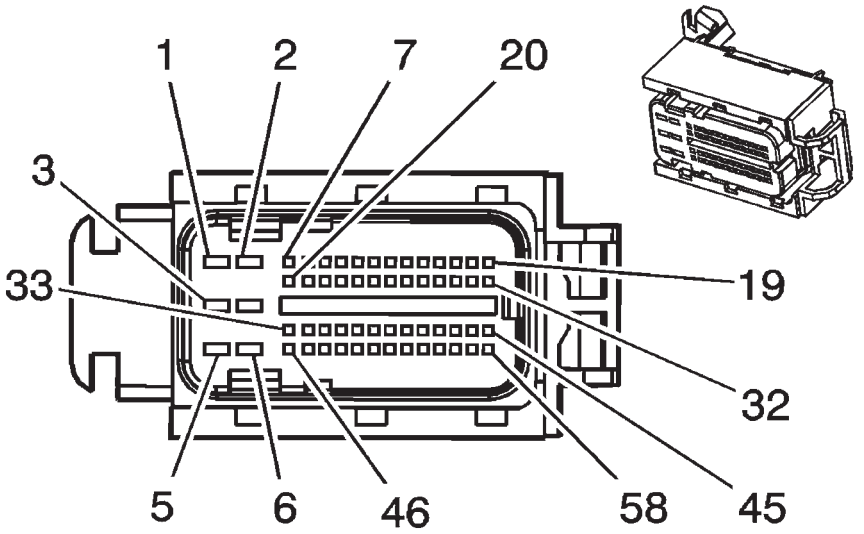
Pin	Wire Color	Circuit No.	Function
27	PK/BK	1746	Fuel Injector 3 Control
28-29	—	—	Not Used
30	OG/BK	2919	Low Reference
31	L-BU	494	PTO Engine Kill Signal
32	BN	379	CPP Switch Signal (Manual Transmission)
	—	—	Not Used (Automatic Transmission)
33	—	—	Not Used
34	D-BU	84	Cruise Control Set/Coast Switch Signal
35	—	—	Not Used
36	BK	2752	Low Reference
37	GY	2702	5-Volt Reference 3
38	—	—	Not Used
39	TN	2917	5-Volt Reference 2
40	PU/WH	6270	5-Volt Reference 1
41	D-BU	6259	5-Volt Reference 1
42	TN	472	IAT Sensor 1 Signal
43	—	—	Not Used
44	TN/WH	331	Oil Pressure Sensor Signal
45-46	—	—	Not Used
47	BK	2761	Low Reference
48	D-BU	5930	Turbocharger Vane Position Control Solenoid Valve Control
49	PU	5423	Injector Positive Voltage Control Group 3
50	BK/WH	845	Fuel Injector 5 Control
51	OG/BK	5764	EGR Motor High Control
52	—	—	Not Used
53	YE/BK	6120	Low Reference
54	—	—	Not Used
55	BK	476	Low Reference
56	D-BU/WH	6265	CMP Sensor Signal
57	GY/BK	1694	4WD Low Signal (NP1)
	—	—	Not Used (w/o NP1)
58	L-GN	1478	Coolant Level Switch Signal

Pin	Wire Color	Circuit No.	Function
59	D-GN	534	High Idle Switch Signal
60	L-GN	488	PTO On Switch Signal
61	GY	397	Cruise Control On Switch Signal
62	BK	552	Low Reference
63	OG/BK	5929	Low Reference
64	—	—	Not Used
65	L-BU	6118	IAT Sensor 2 Signal
66	—	—	Not Used
67	BN/WH	5763	EGR Valve Position Signal
68	YE	410	ECT Sensor Signal
69-71	—	—	Not Used
72	YE	2834	Fuel Pressure Regulator Solenoid Control
73	YE	5422	Injector Positive Voltage Control Group 2
74	BK	1744	Fuel Injector 1 Control
75	L-GN/BK	1745	Fuel Injector 2 Control
76	PK	339	Ignition 1 Voltage
77	OG	440	Battery Positive Voltage
78	—	—	Not Used
79	WH/BK	6271	CKP Sensor Signal
80	D-GN/WH	762	A/C Request Signal
81-83	—	—	Not Used
84	L-GN	24	Backup Lamp Supply Voltage
85	YE/BK	508	Water In Fuel Indicator Control
86	BK	2753	Low Reference
87	—	—	Not Used
88	BN	6266	Low Reference
89-90	—	—	Not Used
91	D-GN	485	TP Sensor 1 Signal
92	YE	2918	FRP Sensor Signal
93-95	—	—	Not Used
96	WH	5931	Turbocharger Vane Position Control Solenoid Valve Low Reference

6.6L (LLY) Engine Control Module (ECM) – Connector C-2

Connector	58-Way F Mixed Series, Sealed (BK)
Typical Connector	15462694 (F)
Service	88988935
Color	BLK
Typical Terminal	---
Typical Cable Seal	---

Pin	Wire Color	Circuit No.	Function
1	PK	339	Ignition 1 Voltage
2	BK/WH	351	Ground
3	PK	339	Ignition 1 Voltage
4	BK/WH	351	Ground
5	PK	339	Ignition 1 Voltage
6	BK/WH	351	Ground
7	BN	582	TAC Motor Control - 2
8	—	—	Not Used
9	D-GN	1049	ECM Class 2 Serial Data
10	—	—	Not Used
11	BK/WH	1962	Exhaust Brake Telltale Switch Signal (K40)
	—	—	Not Used (w/o K40)
12	D-GN/WH	465	Fuel Pump Relay Control - Primary
13	—	—	Not Used
14	TN	1274	5-Volt Reference 2
15	PU	1164	5-Volt Reference 3
16	D-BU	507	Wait to Start Indicator Control
17	RD	2013	High Idle Indicator Control
18	PU	2562	PTO Control
19	GY	2219	IGN B Relay Control
20	YE	581	TAC Motor Control - 1
21	PK	439	Ignition 1 Voltage
22	L-BU	1320	Stop Lamp Supply Voltage
23	BN	25	Charge Indicator Control
24	BN	2524	Generator 2 Turn On Signal (K65)
	—	—	Not Used (w/o K65)



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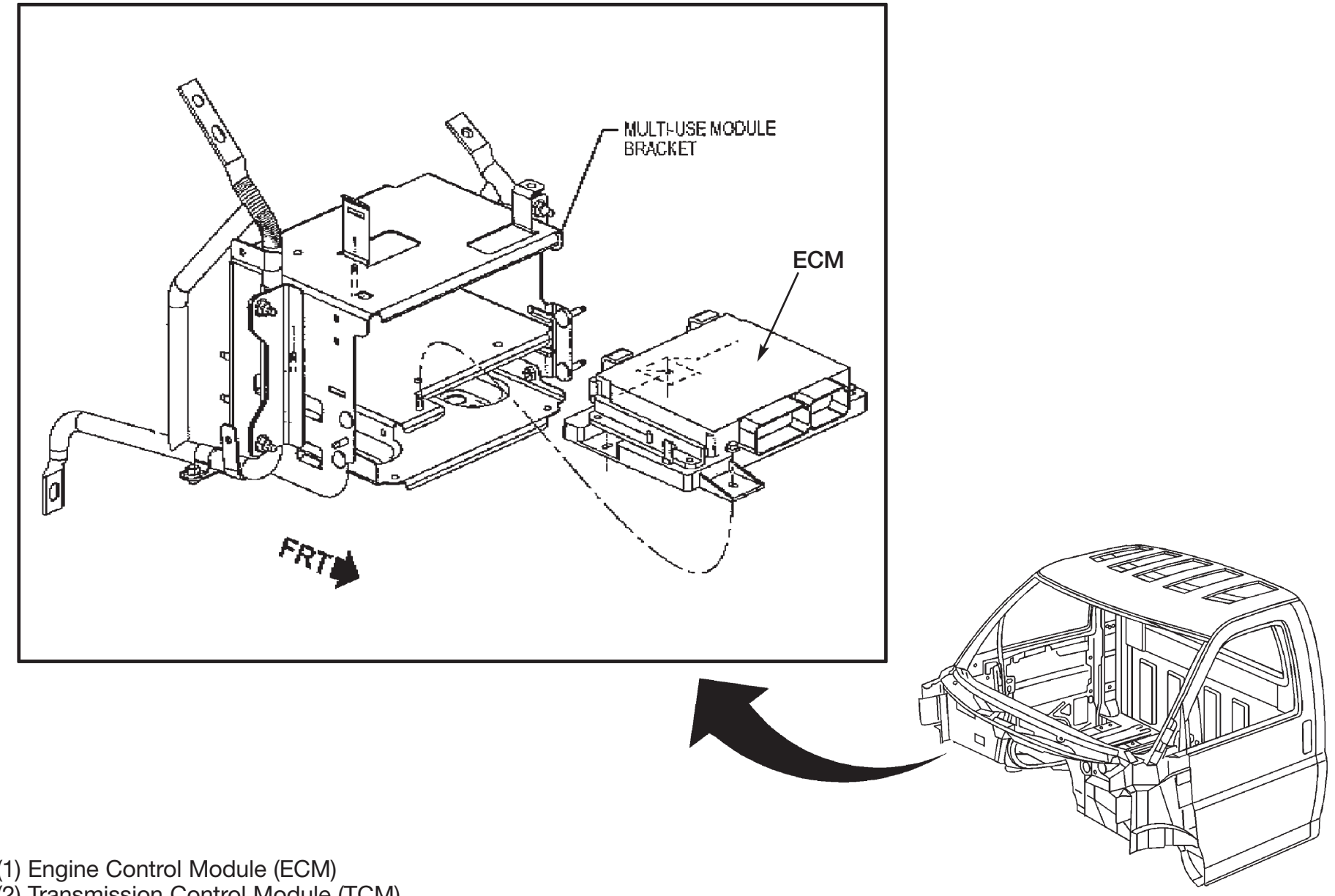
6.6L (LLY) Engine Control Module (ECM) – Connector C-2 (continued)

Pin	Wire Color	Circuit No.	Function
25	D-GN	603	A/C Low Pressure Switch Signal
26	PU	1272	Low Reference
27-28	—	—	Not Used
29	BN	1271	Low Reference
30	BN/WH	419	MIL Control
31	D-GN/WH	459	A/C Compressor Clutch Relay Control
32	YE	447	Starter Relay Coil Control
33	OG/BK	5764	EGR Motor High Control
34	BK	470	Low Reference
35	—	—	Not Used
36	PU	1589	Fuel Level Sensor Signal - Primary
37	L-BU	1162	APP Sensor 2 Signal
38	GY	23	Generator Field Duty Cycle Signal
39	OG/BK	1786	Park/Neutral Signal (Automatic Trans.)
	—	—	Not Used (Manual Transmission)
40	PU	420	TCC Brake Switch/Cruise Control Release Signal
41	—	—	Not Used

Pin	Wire Color	Circuit No.	Function
42	D-GN/WH	817	Vehicle Speed Signal
43	—	—	Not Used
44	TN	6106	High Speed GMLAN Serial Data Bus-
45	YE/BK	2221	Signal High - Rear
46	L-GN/BK	5746	EGR Motor Low Control
47	BN	6062	Low Reference
48	PU	1578	Fuel Temperature Signal
49	D-BU	1161	APP Sensor 1 Signal
50	D-BU	1936	Fuel Level Sensor Signal - Secondary
51-52	—	—	Not Used
53	L-GN	2081	Engine Exhaust Brake Switch Control
54	YE/BK	1827	Vehicle Speed Signal
55	WH	121	Engine Speed Signal
56	PK	1020	Ignition 0 Voltage
57	D-BU	6105	High Speed GMLAN Serial Data Bus+
58	D-GN	2222	VSS Low Signal (Manual Transmission)
	—	—	Not Used (Automatic Transmission)

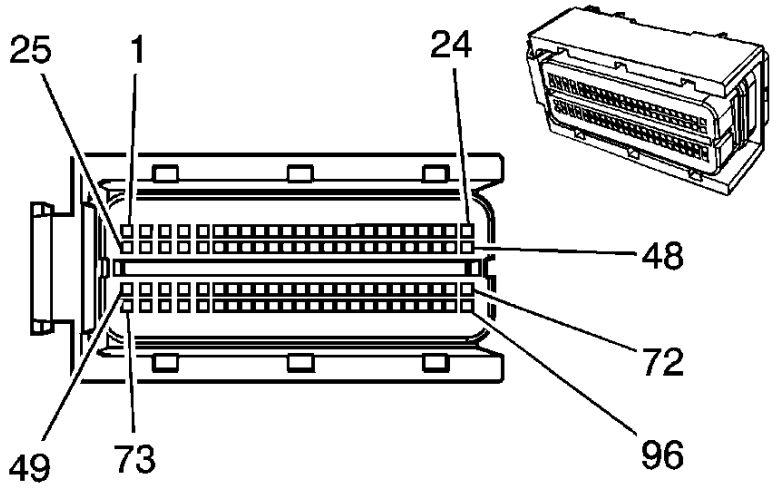
6.6L (LLY) Engine Control Module (ECM) Location



(1) Engine Control Module (ECM)
(2) Transmission Control Module (TCM)

6.6L (LMM) Engine Control Module (ECM) – Connector C-1

Connector Part Information
OEM: 15438366
Service: 19149311
Description: 96-Way F Mixed Series, Sealed (BK)
Terminal Part Information
Pins: 1-3, 25-27, 48-51, 73-77, 96
Terminal/Tray: 1928498135/19
Core/Insulation Crimp: K/K
Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)
Pins: 4-15, 17, 19-21, 23-24, 28, 30-31, 33-45, 47, 56-67-70, 72, 78-80, 84-86, 88, 91-94
Core/Insulation Crimp: J/J



Pin	Wire Color	Circuit No.	Function
1	OG	5421	Injector Postive Voltage Control Group 1
2	D-BU/WH	878	Fuel Injector 8 Control
3	RD/BK	877	Fuel Injector 7 Control
4	D-BU	2364	Cooling Fan Speed Signal
5	YE	492	MAF Sensor Signal
6	OG/BK	469	Low Reference
7	PU	806	Crank Voltage
8	YE	2522	PTO Engage Signal
9	BN	1174	Oil Level Switch Signal
10	GY/BK	87	Cruise Control Resume/Accel Switch Signal
11	Y/BK	6272	Low Reference
12	GY	2704	5-Volt Reference 3
13	TN	5928	5-Volt Reference 3
14	BN/WH	6136	5-Volt Reference 2
15	GY	2705	5-Volt Reference 2
16	--	--	Not Used
17	GY	2701	5-Volt Reference 1
18	--	--	Not Used
19	L-GN	432	MAP Sensor Signal
20	YE	5947	Turbocharger Vane Position Sensor Signal
21	L-BU	1162	APP Sensor 2 Signal
22	--	--	Not Used
23	BK	2755	Low Reference
24	PU/WH	2530	Fuel Pressure Regulator Solenoid Supply Voltage
25	PK	5425	Injector Positive Voltage Control Group 4
26	YE/BK	846	Fuel Injector 6 Control
27	PK/BK	1746	Fuel Injector 3 Control
28	WH/BK	2366	Cooling Fan Clutch Control

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6.6L (LMM) Engine Control Module (ECM) – Connector C-1 (continued)

Pin	Wire Color	Circuit No.	Function
29	--	--	Not Used
30	OG/BK	2919	Low Reference
31	L-BU	494	PTO Engine Kill Signal
32	--	--	Not Used
33	BK	476	Low Reference
34	D-BU	84	Cruise Control Set/Coast Switch Signal
35	YE/BK	6055	Low Reference
36	BK	2752	Low Reference
37	GY	2702	5-Volt Reference 3
38	TN	1274	5-Volt Reference 2
39	TN	2917	5-Volt Reference 2
40	PU/WH	6270	5-Volt Reference 1
41	D-BU	6259	5-Volt Reference 1
42	TN	472	IAT Sensor 1 Signal
43	D-BU/WH	6053	Exhaust Pressure Sensor Signal (1)
44	TN/WH	331	Oil Pressure Sensor Signal
45	L-GN	2032	Coolant Temperature Sensor Signal
46	--	--	Not Used
47	BK	2761	Low Reference
48	D-BU	5930	Turbocharger Vane Position Control Solenoid Valve Control
49	PU	5423	Injector Positive Voltage Control Group 3
50	BK/WH	845	Fuel injector 5 Control
51	L-BU	844	Fuel injector 4 Control
52	--	--	Not Used
53	YE/BK	6120	Low Reference

Pin	Wire Color	Circuit No.	Function
54-55	--	--	Not Used
56	D-BU/WH	6265	CMP Sensor Signal
57	GY/BK	1694	4WD Low Signal
58	L-GN	1478	Coolant Level Switch Signal
59	D-GN	534	High Idle Switch Signal
60	L-GN	488	PTO On Switch Signal
61	GY	397	Cruise Control On Switch Signal
62	BK	552	Low Reference
63	OG/BK	5929	Low Reference
64	GY	596	5-Volt Reference
65	L-BU	6118	IAT Sensor 2 Signal
66	--	--	Not Used
67	BN/WH	5763	EGR Valve Position Signal
68	YE	410	ECT Sensor Signal
69	D-BU	5277	Exhaust Gas Temperature Sensor (1)
70	BN	6782	Exhaust Gas Temperature Sensor (1) Low Reference
71	--	--	No Used
72	YE	2834	Fuel Pressure Regulator Solenoid Control
73	YE	5422	Injector Positive Voltage Control Group 2
74	BK	1744	Fuel Injector 1 Control
75	L-GN/BK	1745	Fuel injector 2 Control
76	PK	339	Ignition 1 Voltage
77	OG	440	Battery Positive Voltage
78	PU	1272	Low Reference
79	WH/BK	6271	CKP Sensor Signal

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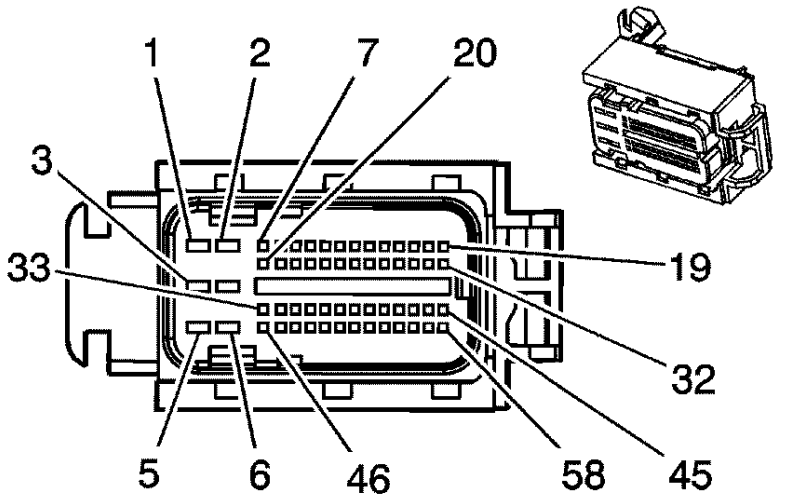
6.6L (LMM) Engine Control Module (ECM) – Connector C-1 (continued)

Pin	Wire Color	Circuit No.	Function
80	D-GN/WH	2523	A/C Request Signal
81-83	--	--	Not Used
84	L-GN	24	Backup Lamp Supply Voltage
85	YE/BK	508	Water In Fuel Indicator Control
86	BK	2753	Low Reference
87	--	--	Not Used
88	BN	6266	Low Reference
89-90	--	--	Not Used
91	D-Gn	485	TP Sensor 1 Signal
92	YE	2918	FRP Sensor Signal
93	L-BU	5377	Exhaust Gas Temperature Sensor 2
94	BN/WH	6783	Low Reference
95	--	--	Not Used
96	WH	5931	Low Reference

6.6L (LMM) Engine Control Module (ECM) – Connector C-2

Connector Part Information
OEM: 15462694
Service: 88988935
Description: 58-Way F Mixed Series, Sealed (BK)
Terminal Part Information
Pins: 1-6
Terminal/Tray: 1928498059/24
Core/Insulation Crimp: 2/5
Release Tool/Test Probe: J-38125-561/J-35616-35 (VT)
Pins: 33, 46
Terminal/Tray: 1928498135/19
Core/Insulation Crimp: K/K
Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)
Pins: 7, 9, 11-12, 15-26, 28-32, 33, 36, 38-40, 41, 44-45, 47-50, 53-57
Terminal/Tray: 1928498135/19
Core/Insulation Crimp: J/J
Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)

Pin	Wire Color	Circuit No.	Function
1	PK	339	Ignition 1 Voltage
2	BK/WH	351	Ground
3	PK	339	Ignition 1 Voltage
4	BK/WH	351	Ground
5	PK	339	Ignition 1 Voltage
6	BK/WH	351	Ground
BN	BN	582	TAC Motor Control -2
8	--	--	Not Used
9	D-GN	1049	ECM Class 2 Serial Data
10	--	--	Not Used
11	BK/WH	1962	Exhaust Brake Solenoid Feed (K40)
12	D-GN	465	Fuel Pump Relay Control - Primary
13-14	--	--	Not Used



Pin	Wire Color	Circuit No.	Function
15	WH/BK	1164	5-Volt Reference 3
16	D-BU	507	Wait To Start Indicator Control
17	RD	2013	High Idle Indicator Control
18	PU	2562	PTO Control
19	GY	2219	IGN B Relay Control
20	YE	581	TAC Motor Control - 1
21	PK	439	Ignition 1 Voltage
22	L-BU	1320	Stop Lamp Supply Voltage
23	BN	25	Charge Indicator Control
24	BN	2524	Generator 2 Turn On Signal (K65)
25	D-GN	603	A/C Low Pressure Switch Signal
26	BN/WH	6141	Low Reference

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6.6L (LMM) Engine Control Module (ECM) – Connector C-2 (continued)

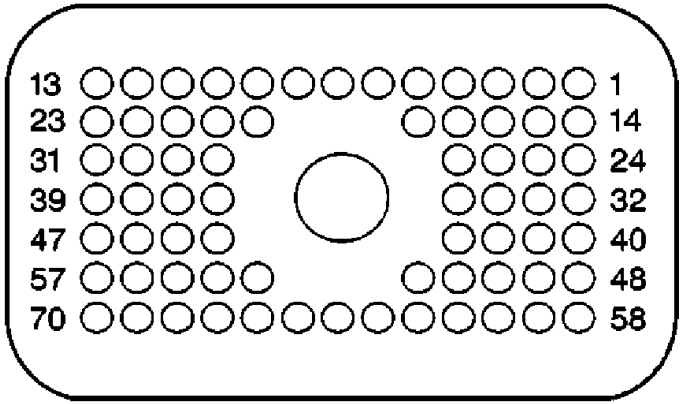
Pin	Wire Color	Circuit No.	Function
27	--	--	Not Used
28	GY	2365	5-Volt Reference 1
29	BN	1271	Low Reference
30	BN/WH	419	MIL Control
31	D-GN/WH	459	A/C Compressor Clutch Relay Control
32	YE	447	Starter Relay Coil Control
33	OG/BK	5764	EGR Motor High Control
34	BK	470	Low Reference
35	--	--	Not Used
36	PU	1589	Fuel Level Sensor Signal - Primary
37	--	--	Not Used
38	GY	23	Generator Field Duty Cycle Signal
39	OG/BK	1786	Park/Neutral Signal (Automatic Transmission)
40	PU	420	TCC Brake Switch/Cruise Control Release Signal
41	--	--	Not Used
42	D-GN/WH	817	Vehicle Speed Signal

Pin	Wire Color	Circuit No.	Function
43	--	--	Not Used
44	TN	6106	High Speed GMLAN Serial Data Bus-
45	L-BU/BK	2221	Signal High - Rear
46	L-GN/BK	5746	EGR Motor Low Control
47	BN	6062	Low Reference
48	YE	1578	Fuel Temperature Signal
49	D-BU	1161	APP Sensor 1 Signal
50	D-BU	1936	Fuel Level Sensor Signal - Secondary
51-52	--	--	Not Used
53	L-GN	2081	Engine Exhaust Brake Switch Control
54	YE/BK	1827	Vehicle Speed Signal
55	WH	121	Engine Speed Signal
56	PK	1020	Ignition 0 Voltage
57	TN/WH	6105	High Speed GMLAN Serial Data Bus+
58	--	--	Not Used

7.2L (LG5) CAT Engine Control Module (ECM) – Connector C-1

Connector Part Information
OEM: 12186584
Service: 12186584
Description: 70-Way F (BK)
Terminal Part Information
Terminal/Tray: See Terminal Repair Kit
Core/Insulation Crimp: See Terminal Repair Kit
Release Tool/Test Probe: See Terminal Repair Kit

Pin	Wire Color	Circuit No.	Function
1	--	--	Not Used
2	GY	2365	Low Reference
3	BK	470	Low Reference
4	WH/BK	1164	5-Volt Reference
5	BK/WH	451	Ground
6	GY/BK	1467	Shift Motor Relay - Control (HPZ)
	GY/BK	1467	Air Shift Switch Signal (HR1 or HR2)
7	L-BU	494	Engine Shut Off - Signal
8	TN.BK	1921	SAE J1708 Serial Data A
9	WH/BK	1922	SAE J1708 Serial Data B
10	TN	1997	Headlamp Washer Pump Control
11	BK/WH	1120	Engine Fan Clutch Control
12	PU	2656	Exhaust Brake Control
13-14	--	--	Not Used
15	PU	1589	Fuel Level Sensor Signal - Primary
16	L-GN	2081	Exhaust Brake Switch Relay
17	--	--	Not Used
18	PU	719	Low Reference & LG5
19	D-GN/WH	2665	PTO Enable
20	--	--	Not Used
21	RD	B21	SCV Low Signal



Pin	Wire Color	Circuit No.	Function
21	RD	2013	High Idle Indicator Control
22	BN/WH	379	CPP Switch Signal
23-25	--	--	Not Used
26	D-BU	1936	Fuel Level Sensor Signal - Secondary
27	--	--	Not Used
28	BN/WH	419	MIL Control
29	--	--	Not Used
30	YE	32	Instrument Panel Lamp Fuse Supply Voltage
31	YE	447	Starter Relay Coil Control
32	L-BU	2221	Signal High - Rear
33	D-GN	2222	Signal Low - Rear

(continued on next page)

7.2L (LG5) CAT Engine Control Module (ECM) – Connector C-1 (continued)

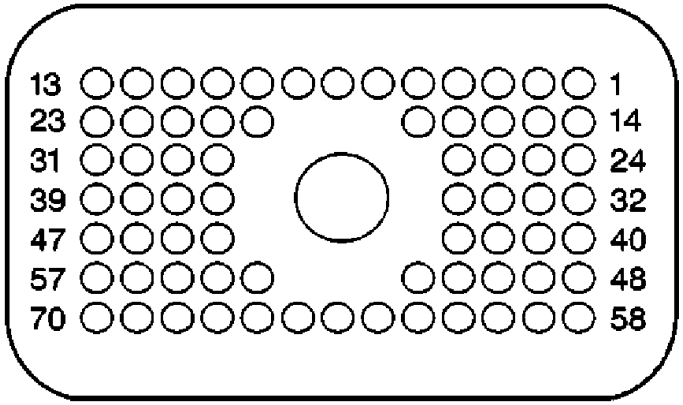
Pin	Wire Color	Circuit No.	Function
34	D-GN	2362	SAE J1939 Serial Data Bus-
35	D-BU	84	Cruise Control Set/Coast Switch Signal
36	D-GN/WH	817	Vehicle Speed Signal
37	--	--	Not Used
38	WH	121	Engine Speed Signal
39	--	--	Not Used
40	D-GN	534	High Idle Switch Signal
41-43	--	--	Not Used
44	GN/BK	87	Cruise Control Resume/Accel Switch Signal
45	BN	86	Cruise Control Release Signal
46-48	--	--	Not Used
49	L-GN	1478	Coolant Level Switch Signal
50	YE	2361	SAE J1939 Serial Data Bus+
51	--	--	Not Used
52	OG	1540	Battery Positive Voltage
53	OG	1540	Battery Positive Voltage

Pin	Wire Color	Circuit No.	Function
54-55	--	--	Not Used
56	L-GN	488	PTO On Switch-Signal
57	--	--	Not Used
58	PU	2663	PTO Set
59	GY	397	Cruise Control On Switch Signal
60	TN	2664	Coolant Fan Control
61	--	--	Not Used
62	D-GN/WH	459	A/C Compressor Clutch Relay Control
63	--	--	Not Used
64	L-BU	1320	Stop Lamp Supply Voltage
65	BK/WH	251	Ground
66	D-BU	1161	APP Sensor 1 Signal
67	BK/WH	251	Ground
68-69	--	--	Not Used
70	PK	439	Ignition 1 Voltage

7.2L (LG5) CAT Engine Control Module (ECM) – Connector C-2

Connector Part Information
OEM: 12186584
Service: 12186584
Description: 70-Way F (BK)
Terminal Part Information
Terminal/Tray: See Terminal Repair Kit
Core/Insulation Crimp: See Terminal Repair Kit
Release Tool/Test Probe: See Terminal Repair Kit

Pin	Wire Color	Circuit No.	Function
1	--	--	Not Used
2	WH	828	5-Volt Reference
3	GN	829	Low Reference
4-7	--	--	Not Used
8	BU	850	Intake Air Heater Indicator Relay Control
9-17	--	--	Not Used
18	PK	833	Low Reference
19-21	--	--	Not Used
22	--	--	CKP Sensor - High
23	--	--	CKP Sensor - Low
24	GY	994	Oil Pressure Sensor Signal
25-26	--	--	Not Used
27	BN	849	Fuel Rail Pressure Sensor Signal
28-31	--	--	Not Used
32	BU	995	ECT Sensor Signal
33	GY	458	Oil Level Switch Signal
34	--	--	Not Used
35	BU	967	IAT Sensor Signal
36	GY	701	Fuel Injector 1 Control
37	PU	702	Fuel Injector 2 Control



Pin	Wire Color	Circuit No.	Function
38	BN	703	Fuel Injector 3 Control
39	GN	704	Fuel Injector 4 Control
40	PK	746	MAP Sensor Signal
41	BN	826	5-Volt Reference
42	BU	827	Low Reference
43	--	--	Not Used
44	WH	983	Low Reference
45	OG	984	Low Reference
46	YE	985	Low Reference
47	--	--	Not Used
48	BK	963	Top Camshaft Position Signal - High
49	WH	964	Top Camshaft Position Signal - Low

(continued on next page)

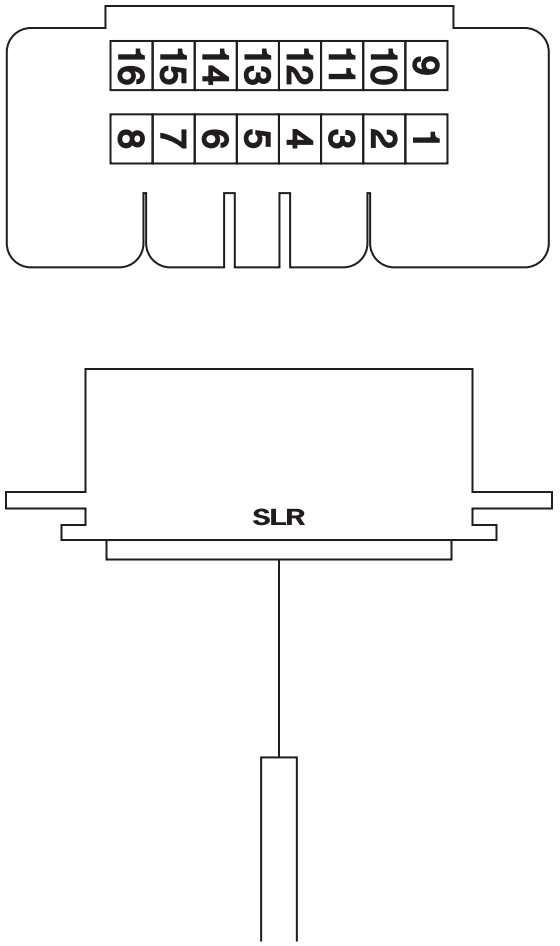
7.2L (LG5) CAT Engine Control Module (ECM) – Connector C-2 (continued)

Pin	Wire Color	Circuit No.	Function
50-53	--	--	Not Used
54	BU	705	Fuel Injector 5 Control
55	GY	706	Fuel Injector 6 Control
56-57	--	--	Not Used
58	BU	965	Bottom Camshaft Position Signal - High
59	YE	966	Bottom Camshaft Position Signal - Low
60	--	--	Not Used
61	PK	854	Fuel Pressure Regulator Solenoid Control - PWM
62	PU	855	Low Reference
63-70	--	--	Not Used

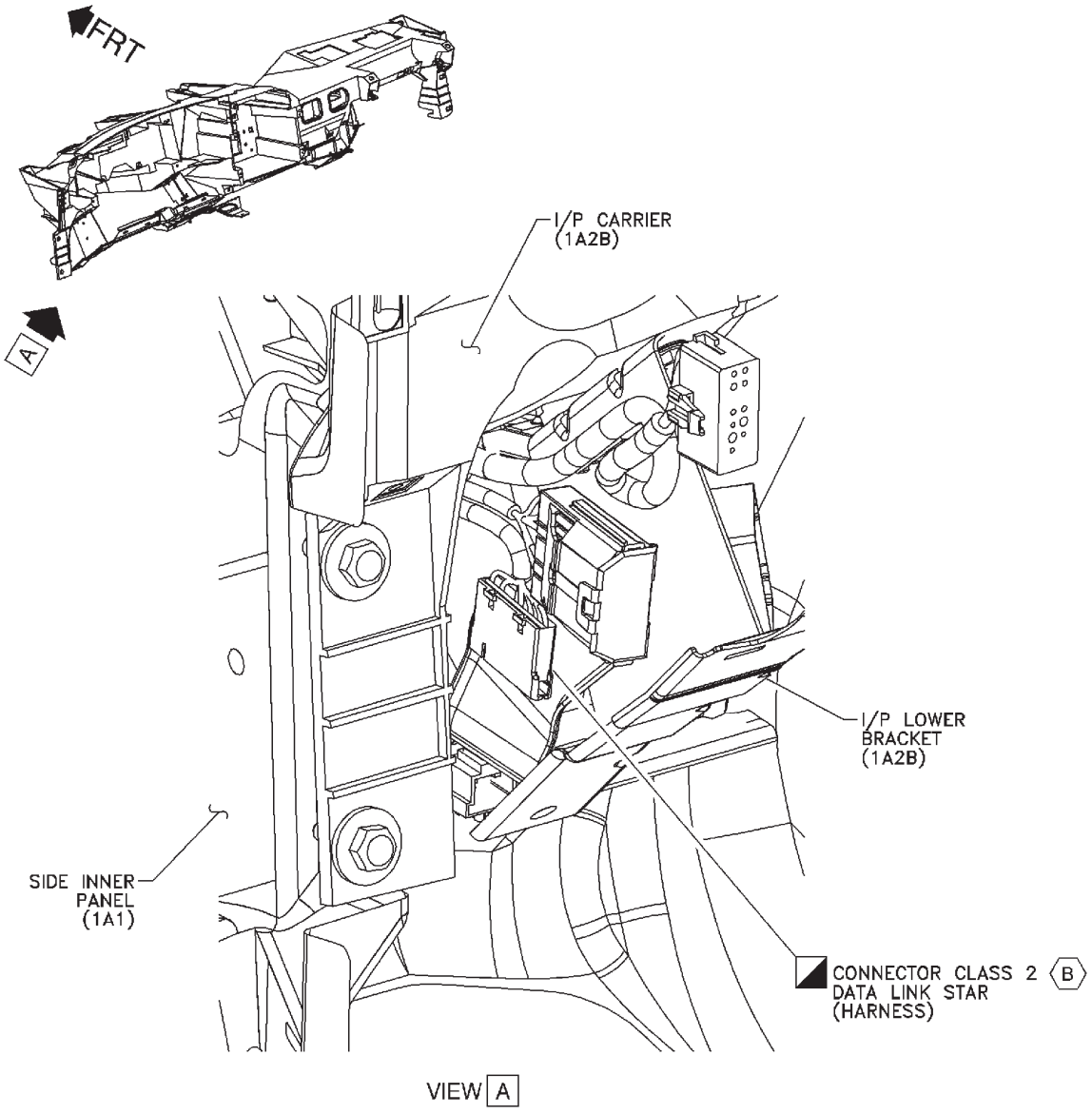
16-Way Serial Data Link Connector

Connector	Packard 150 MP Series
Typical connector	12110256
Typical terminal	12040993

Pin	Wire		Function
	Ckt #	Color	
1	—	—	Spare
2	1132	PPL	Right Park
3	—	—	Left Turn
4	750	BLK	Left Park
5	1451	BLK/WHT	Stop
6	—	—	Spare
7	1921	TAN/BLK	Spare
8	1455	BLK/WHT	Gnd Zone 3B
9	—	—	Spare
10	—	—	Spare
11	—	—	Spare
12	—	—	Spare
13	—	—	Spare
14	—	—	Spare
15	1922	WHT/BLK	DTC J1708 / J1587(-)
16	840	ORN	DLC Power



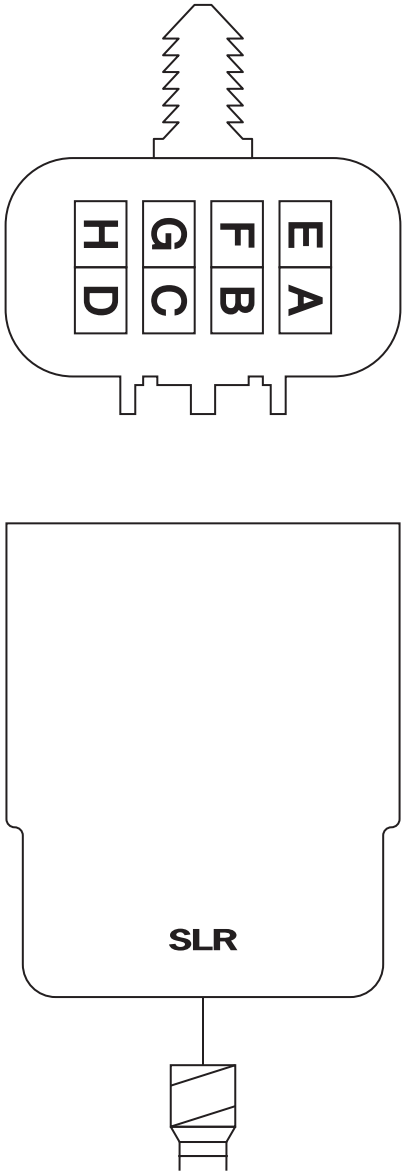
Serial Data Link Connector Location



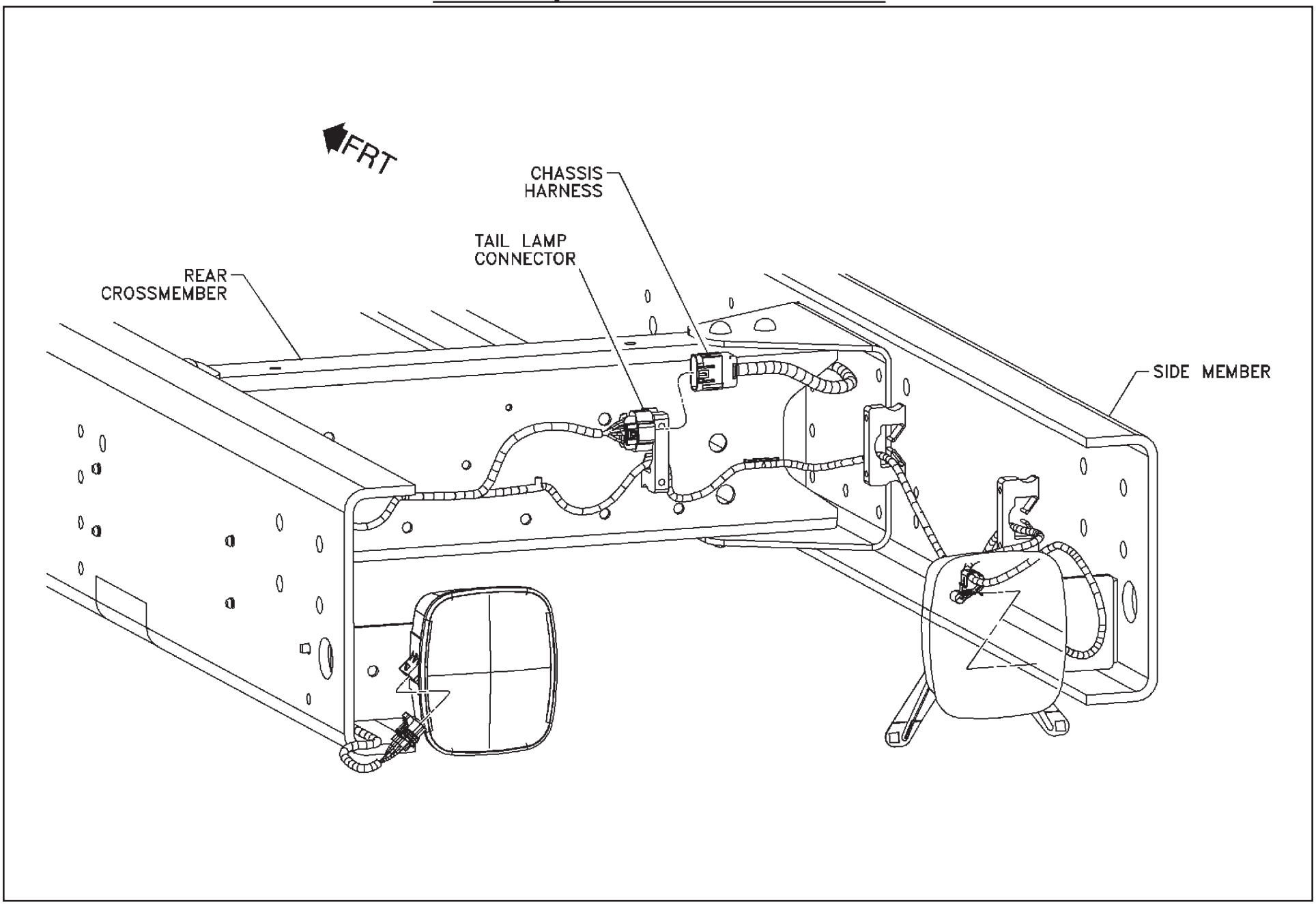
8-Way Tail Lamp Connector

	TRUCK SIDE	BODY BUILDER SIDE
Connector	Packard 280 Series	
Typical connector	15326906 (F)	15326655 (M)
Typical terminal	15304718	15304730
Typical cable seal	12191232	12191232

Pin	Wire		Function
	Ckt #	Color	
A	618	YEL	LR Stop/Turn
B	2609	BRN	Lt Tail / License
C	TBD	—	Spare
D	2609	BRN/WHT	RT Tail
E	619	GRN DK	RR Stop/Turn
F	24	GRN LT	Back Up
G	350	BLK	Gnd Zone 3B
H	TBD	—	Spare



Tail Lamp Connector Location

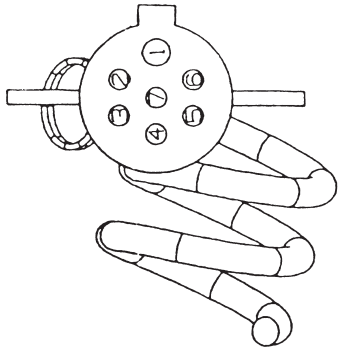


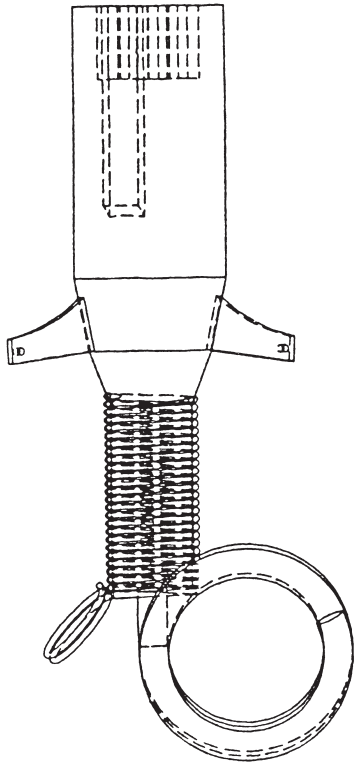
7-Way Tractor Connector – Family 3

Connector	Packard 280/630 Series	
connector	12077629	
terminal	15304720	3mm
seal	15366065	5mm
terminal	15326004	3mm
seal	12191235	5mm

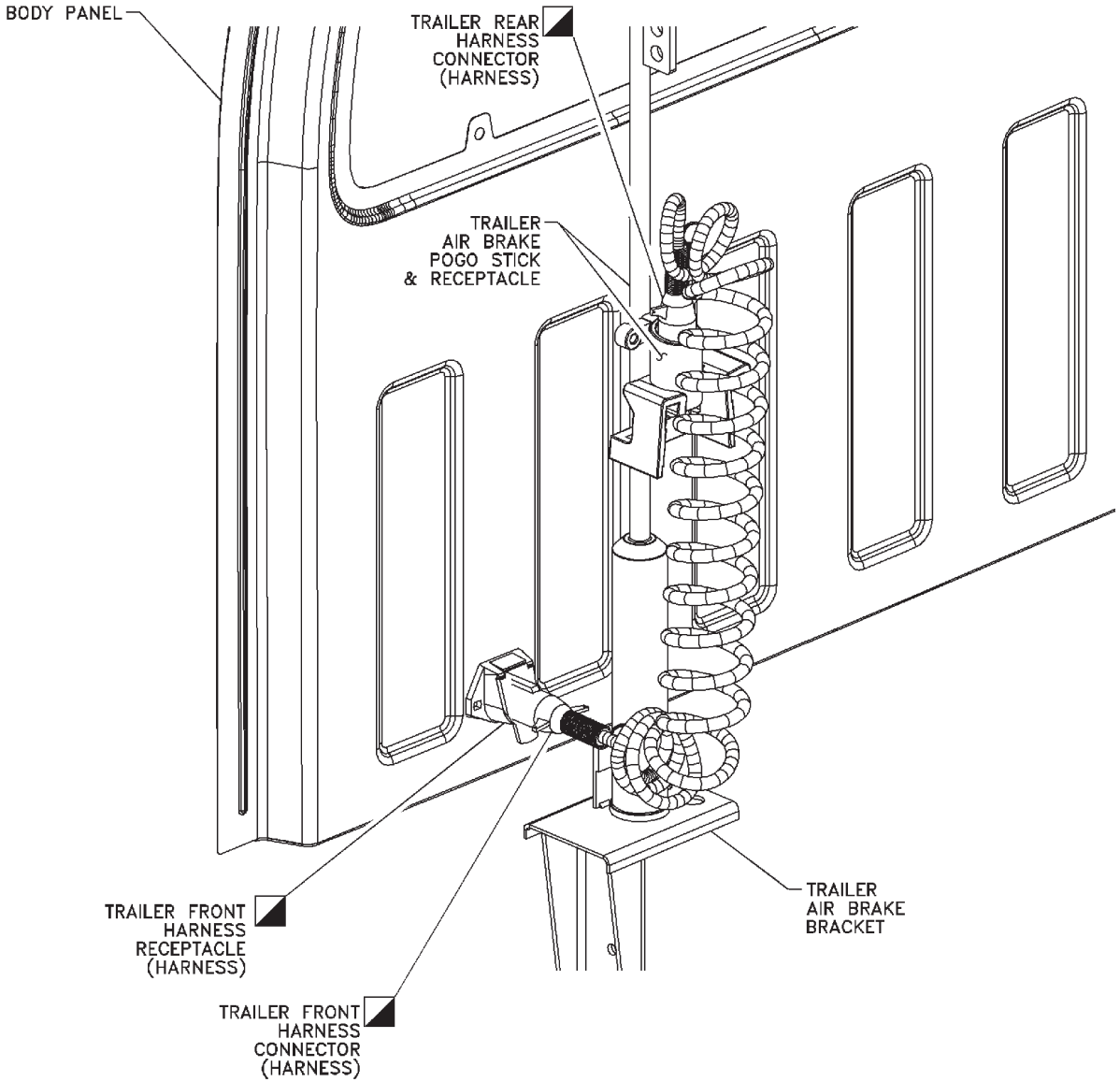
Pin	Wire		Function
	Ckt #	Color	
1	22	WHT	Tractor Gnd Zone 7B
2	1412	BLK	Marker Lamp
3	318	YEL	Lt Turn/Hazard
4	1411	RED	Brake (1)
5	319	GRN DK	Rt Turn/Hazard
6	9	BRN	Park Lamp
7	1413	BLU DK	ABS Power & Multiplexed Signal

NOTES:
(1) 30A maxi fuse. See page B-4.





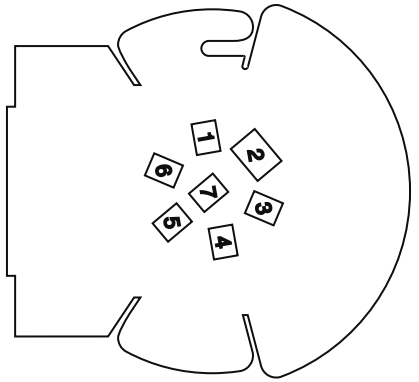
Tractor Connector – Family 3 Location

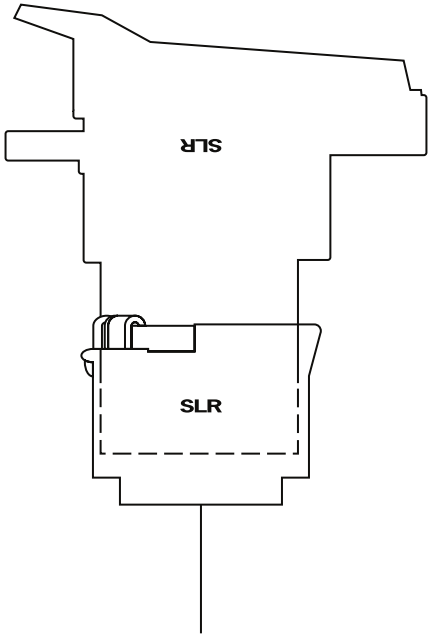

BODY PANEL
TRAILER REAR HARNESS CONNECTOR (HARNESS)
TRAILER AIR BRAKE POGO STICK & RECEPTACLE
TRAILER AIR BRAKE BRACKET
TRAILER FRONT HARNESS RECEPTACLE (HARNESS)
TRAILER FRONT HARNESS CONNECTOR (HARNESS)

7-Way Trailer Connector – Family 2

Connector	Packard 280/630 Series
connector	15354653
terminal	12119853 3mm
terminal	15317332 5mm
seal	12015323

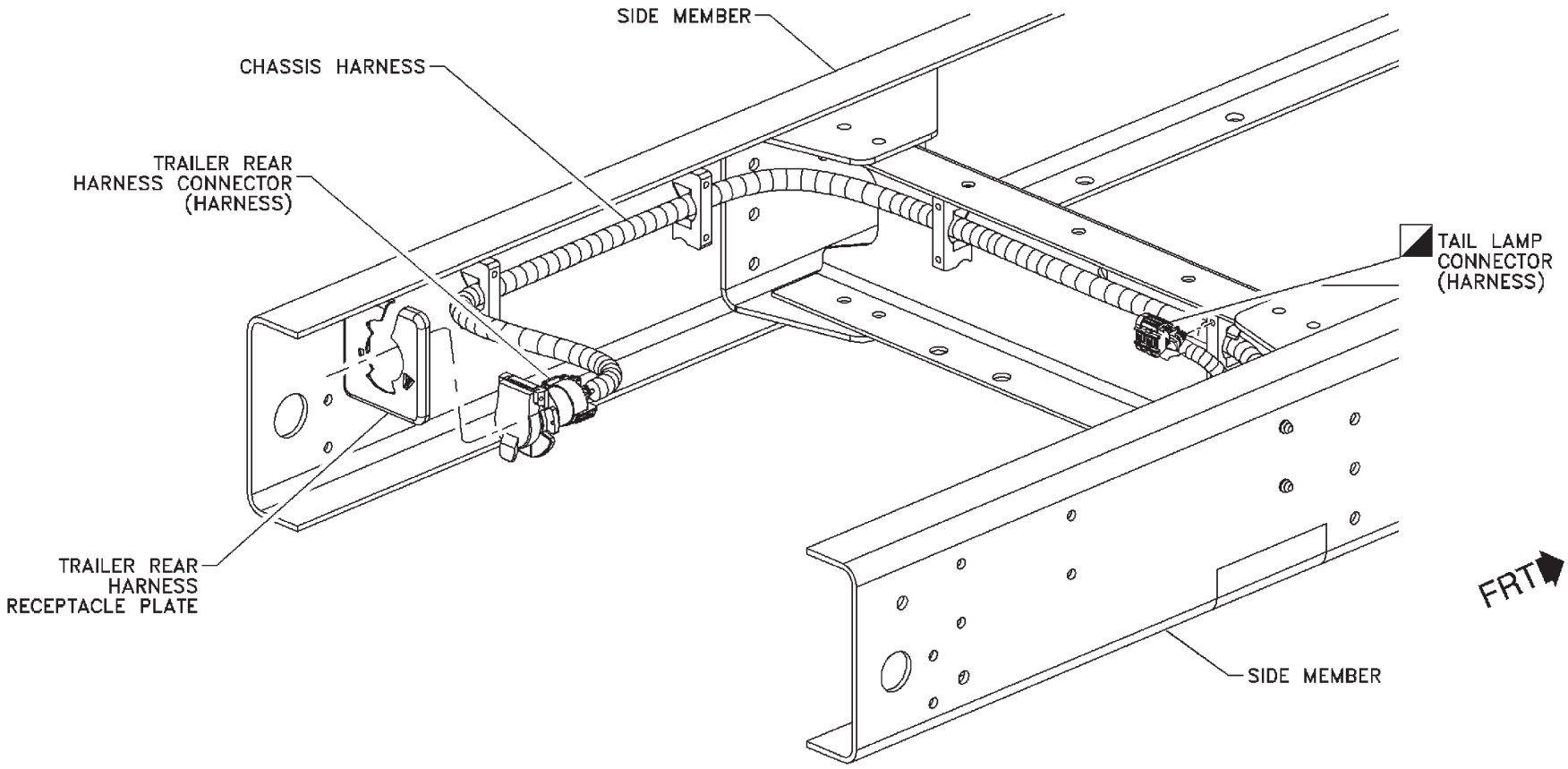
Pin		Wire		Function
		Ckt #	Color	
7	A	24	GRN LT	Back Up
2	B	22	WHT	Tractor Gnd Zone 12A
3	C	47	BLU DK	Aux Elec Brake (1)
4	D	319	GRN DK	Rt Turn/Hazard
5	E	642	RED	Electric Brake Power (2)
6	F	9	BRN	Park Lamp
1	G	318	YEL	Lt Turn/Hazard





NOTES:
(1) Blunt cut end found under hood. See UI Bulletin #66.
(2) 30A maxi fuse. See page B-4.

Trailer Connector Location – Family 2

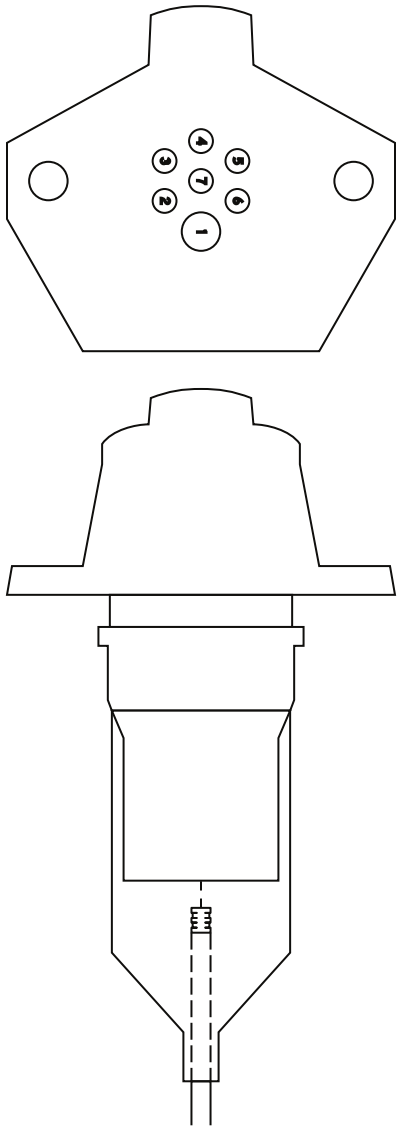


7-Way Trailer Connector – Family 3

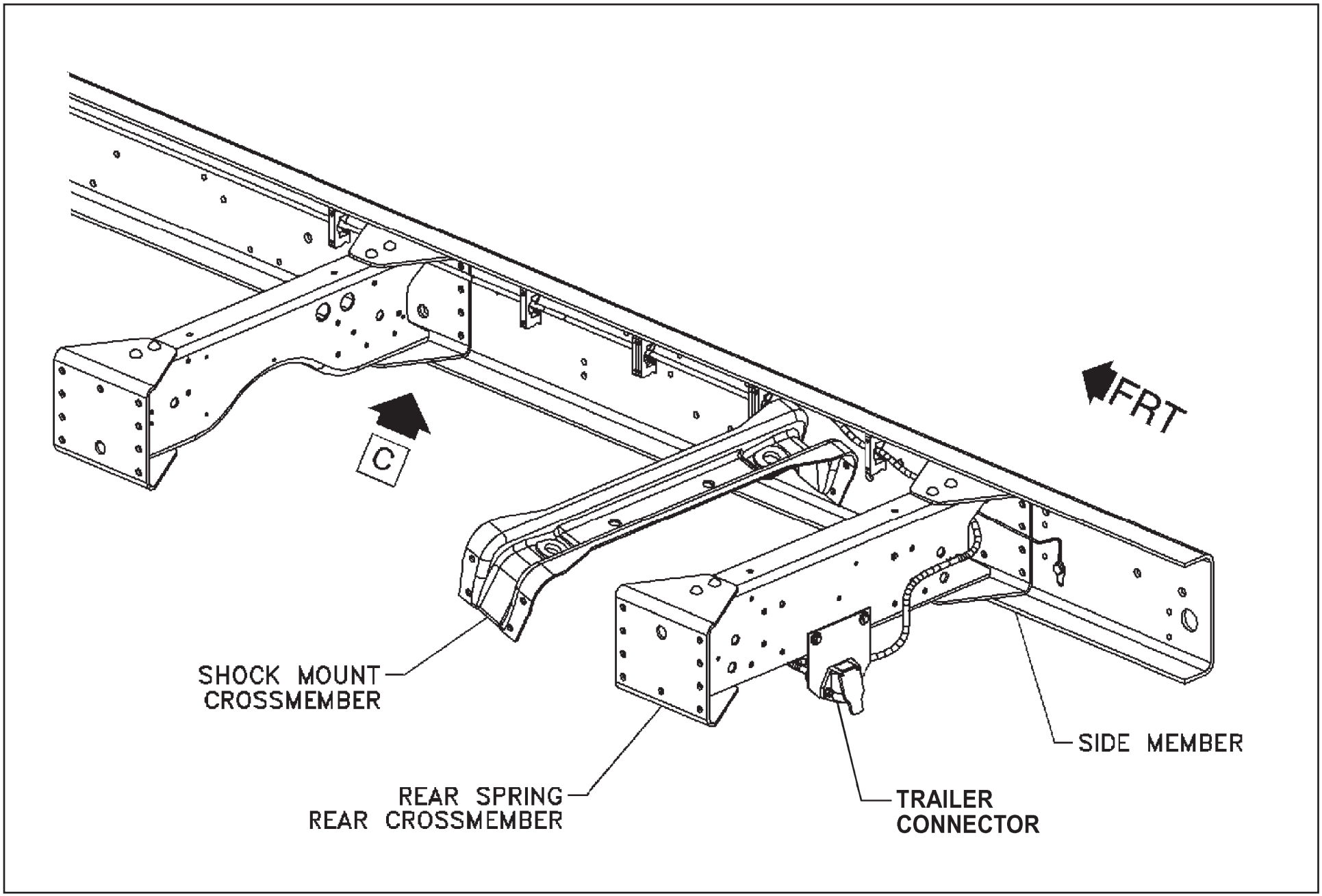
Connector	Packard 280/630 Series	
connector	12077629	
terminal	15304720	3mm
seal	15366065	5mm
terminal	15326004	3mm
seal	12191235	5mm

Pin	Wire		Function
	Ckt #	Color	
1	22	WHT	Tractor Gnd Zone 12B
2	1412	BLK	Marker Lamp
3	318	YEL	Lt Turn/Hazard
4	1411	RED	Brake (1)
5	319	GRN DK	Rt Turn/Hazard
6	9	BRN	Park Lamp
7	1413	BLU DK	ABS Power & Multiplexed Signal

NOTES:
(1) 30A maxi fuse. See page B-4.

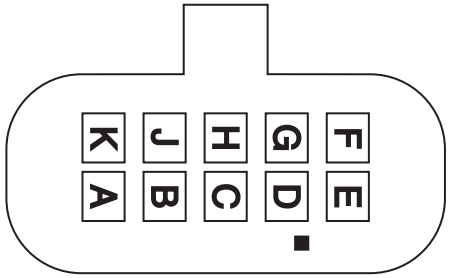


Trailer Connector Location – Family 3



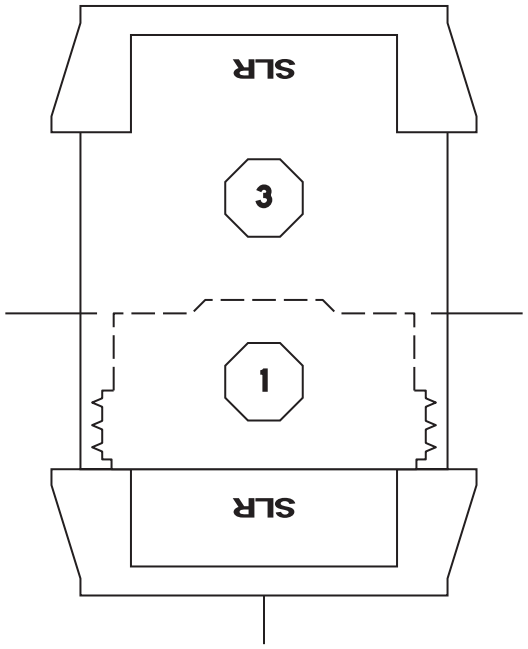
10-Way Transmission Optional Connector

	TRUCK SIDE	BODY BUILDER SIDE	
Typical connector	PPN 12065425 (F)	PPN 12045808 (M)	SPN 12117372
Typical terminal	PPN 12048074	PPN 12177150	SPN 12177150
Typical cable seal	PPN 12048086	PPN 15324973	SPN 12048086



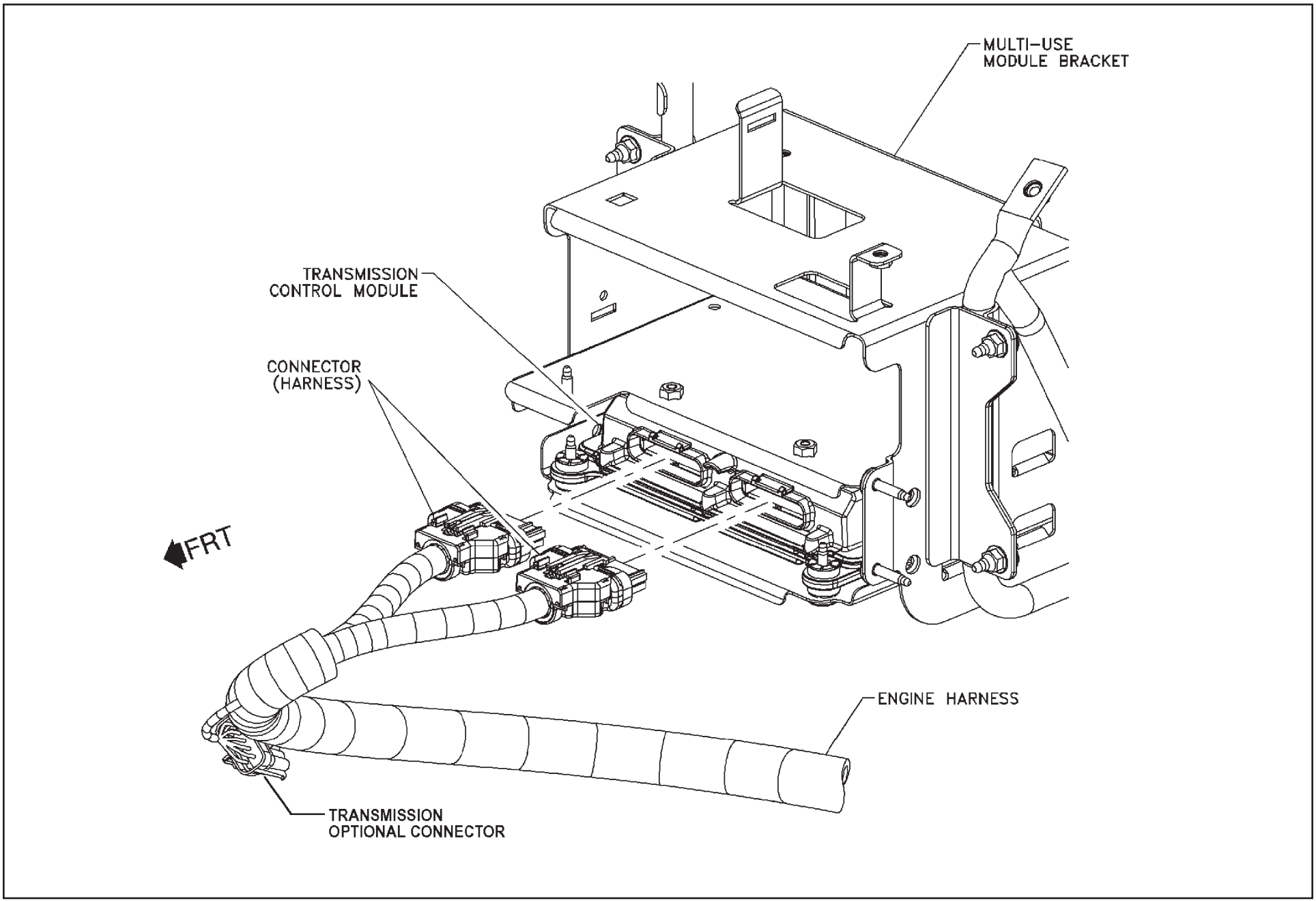
ALLISON LCT TRANS			
Pin	**Wire**		**Function**
	Ckt #	**Color**	
A	1146	PPL	Range Indicator
B	1479	YEL	Auto Neutral
C	2522	YEL	PTO Status
D	N/C	—	—
E	N/C	—	—
F	1147	TAN	Range Inhibit
G	N/C	—	—
H	407	BLK	Analog Gnd
J	476	BLK	Digital Gnd
K	1480	BLU LT	PTO Output

ALLISON MD TRANS			
A	1146	PPL	Range Indicator
B	1479	YEL	Auto Neutral
C	915	YEL	PTO Enable
D	1481	YEL	Aux Hold
E	1148	GRA	Sump Temp
F	1147	TAN	Range Inhibit
G	N/C	—	—
H	407	BLK	Analog Gnd
J	476	BLK	Digital Gnd
K	1480	BLU LT	PTO Engage



PPN = Production Part Number SPN = Service Part Number

Transmission Optional Connector Location



10-Way Upfitter PTO Connector

	TRUCK SIDE	BODY BUILDER SIDE	
Typical connector	PPN 12065425 (F)	PPN 12045808 (M)	SPN 12117372
Typical terminal	PPN 12048074	PPN 12177150	SPN 12177150
Typical cable seal	PPN 12048086	PPN 15324976	SPN 12089678

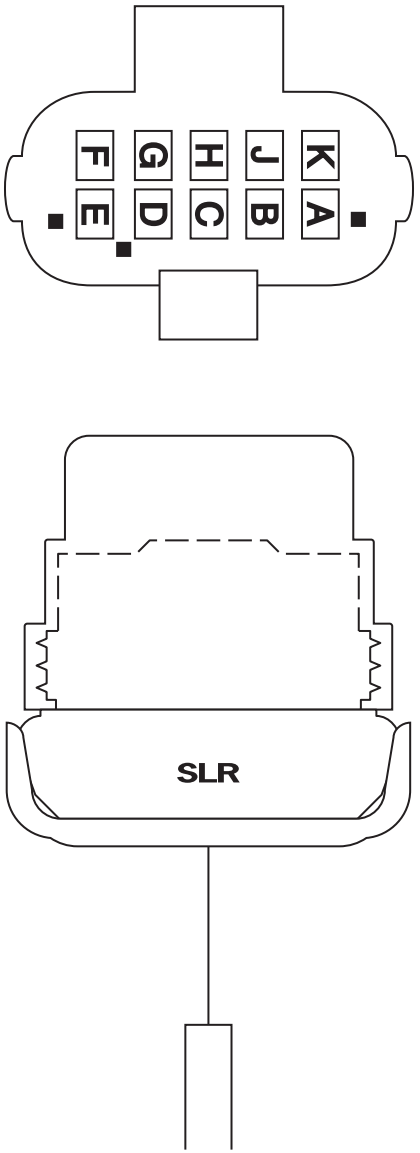
L18/LLY/LG4

Pin	Wire		Function
	Ckt #	Color	
A	N/C	—	—
B	494	BLU LT	PTO Kill
C	488	GRN LT	PTO Enable
D	250	BLK	GND
E	2663	PPL	Tap Up
F	488	GRN LT	PTO Enable
G	2522	YEL	PTO Feedback
H	2561	WHT	Engage
J	2664	TAN	Tap Down
K	N/C	—	—

LG5

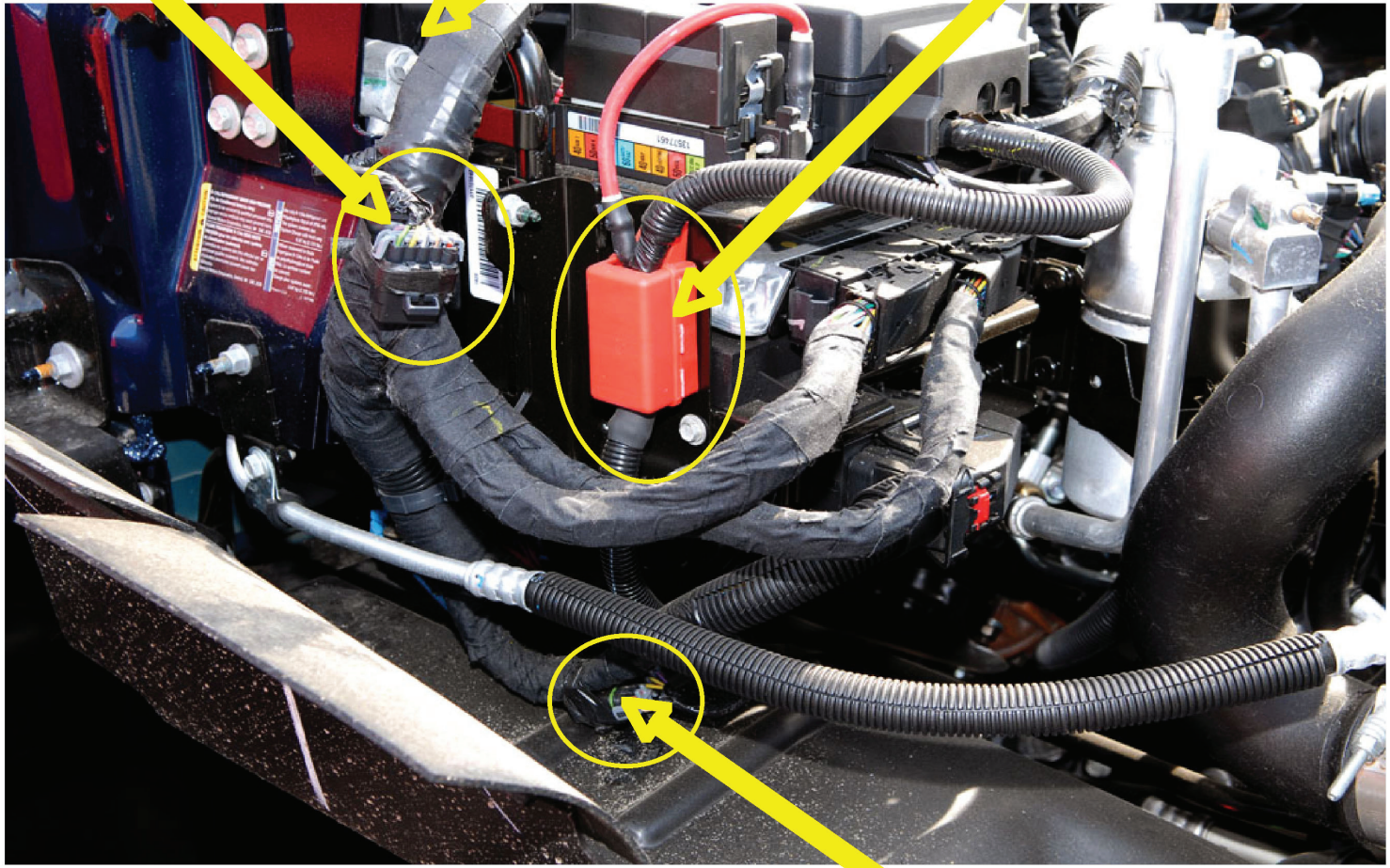
A	250	BLK	GND
B	494	BLU LT	PTO Kill Switch
C	2664	TAN	Tap Down
D	451	BLK/WHT	Engine GND
E	451	BLK/WHT	Engine GND
F	2663	PPL	Tap Up
G	2522	YEL	FEED BACK
H	2561	WHT	Engage
J	451	BLK/WHT	GND
K	N/C	—	—

PPN = Production Part Number SPN = Service Part Number

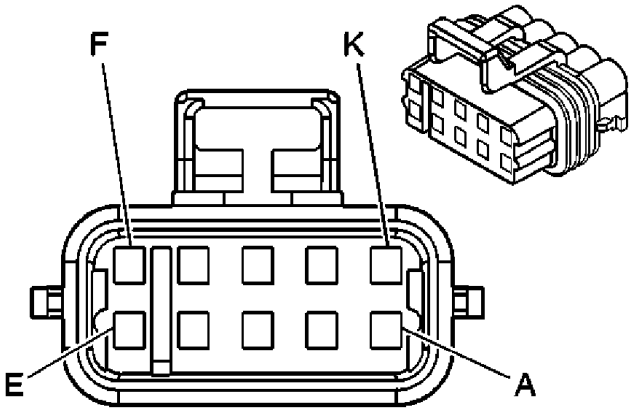


Upfitter PTO Connector Location

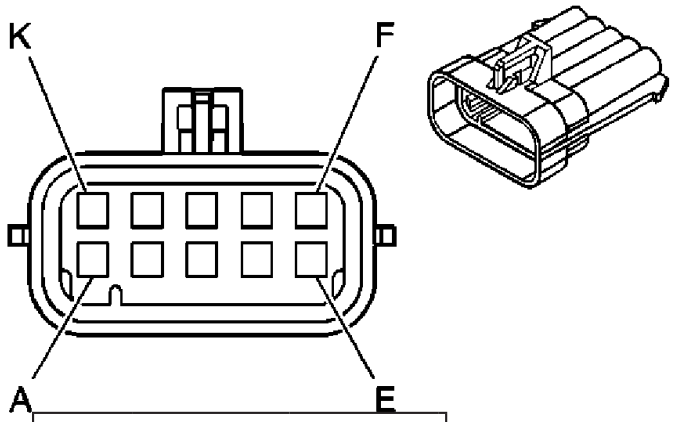
UNDERHOOD VIEW – RIGHT HAND SIDE



C127 Engine Chassis Harness to Remote Power Take-off (PTO) (LF8)



Connector Part Information
OEM: 15318071
Service: 15306119
Description: 10-Way F Metri-Pack 150 Series Sealed (GY)
Terminal Part Information
Terminal/Tray: 12191819/8
Core/Insulation Crimp: 2/A
Release Tool/Test Probe: 15315247/J-35616-2A (GY)

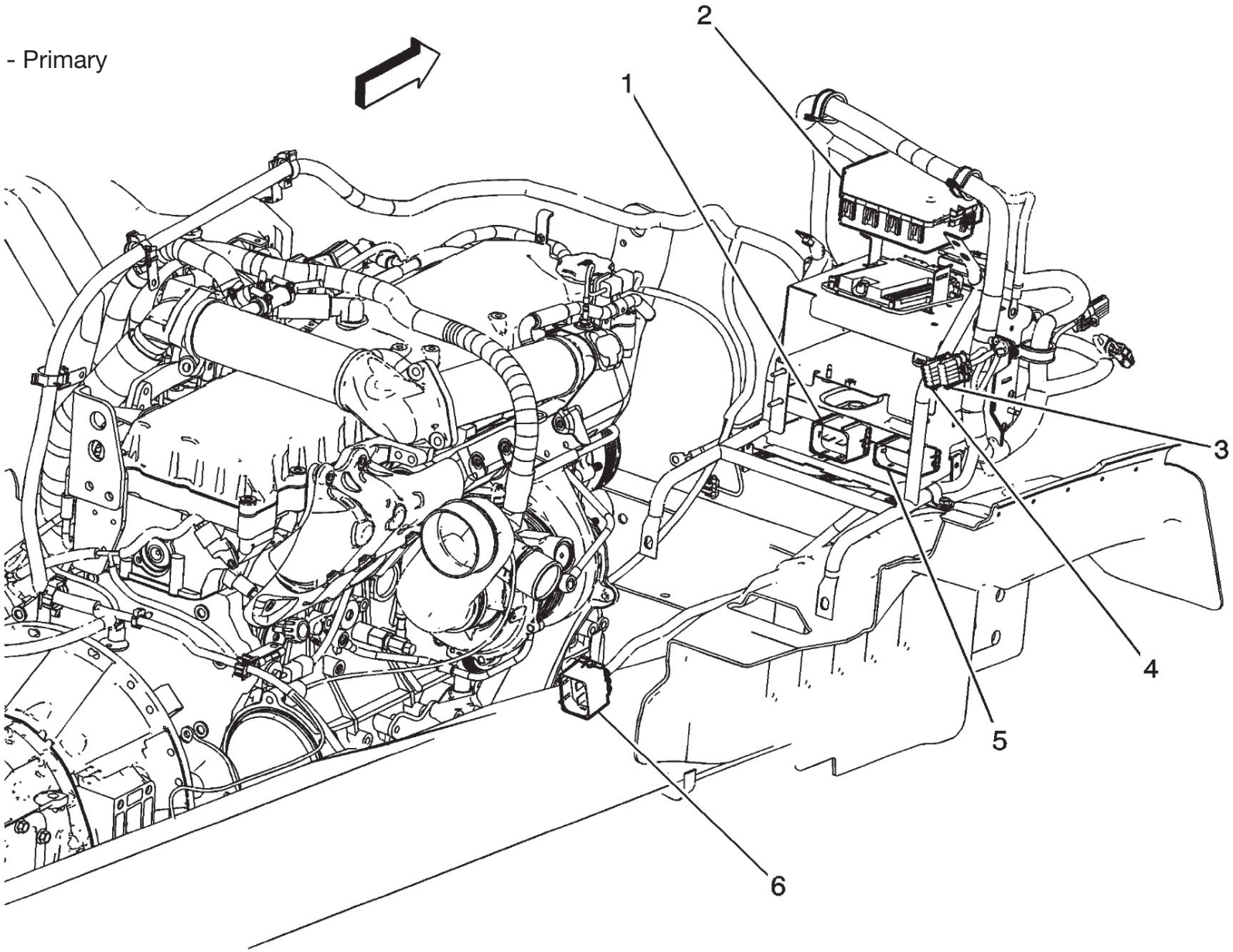


Connector Part Information
OEM: 12052189
Service: 12167122
Description: 10-Way M Metri-Pack 150 Series Sealed (GY)
Terminal Part Information
Terminal/Tray: See Terminal Repair Kit
Core/Insulation Crimp: See Terminal Repair Kit
Release Tool/Test Probe: See Terminal Repair Kit

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	YE/BK	7607	Remote PTO Acceleration Ground	A	--	--	Remote PTO Usage
B	D-GN	7637	Remote PTO Acceleration Signal	B	--	--	Remote PTO Usage
C	GY	7606	Remote PTO Acceleration VCC	C	--	--	Remote PTO Usage
D	L-BU	7605	Remote PTO Ignore Brake Clutch Switch	D	--	--	Remote PTO Usage
E	PU	7608	Remote PTO Cab Control Disable Switch	E	--	--	Remote PTO Usage
F	WH/BK	7609	Remote PTO Set Speed B Switch	F	--	--	Remote PTO Usage
G	D-BU	7610	Remote PTO Set Speed A Switch	G	--	--	Remote PTO Usage
H	BN	7611	Remote PTO Resume Switch	H	--	--	Remote PTO Usage
J	PU	7612	Remote PTO Set Switch	J	--	--	Remote PTO Usage
K	--	--	Not Used	K	--	--	Remote PTO Usage

Right Rear Side Of Engine Compartment (LF8)

(1) C109
(2) Fuse Block - Primary
(3) C121
(4) C127



Schematic Description and Navigation Instructions

Background

The Schematics included in this document are part of GM's IVED drawing system. These are the official drawings used to develop vehicle programs, produce wire harnesses and develop service documentation. The following information is offered to help you understand how they are organized and how to use them.

Organization

It's impossible to put all the information on only one drawing. The vehicle is broken down by subsystem. The schematics are organized by subsystem number not by name. That's why the index doesn't follow an alphabetical order of the subsystems.

A number has been added on the bottom right of each page that indicates the subsystem number, revision level, and page number.

Example:

The first sheet is **H83010a_001_01** *(see page D-3)*

H83010a_001_01	The "*h83010a"* is the Object ID on the drawing and represents the sub-system.
H83010a_001_01	The "*010"* represents the sub-system, in this case Power Distribution. Other examples are "014" for Ground Distribution and "020" for Engine Controls.
H83010a_001_01	The "*a*" represents the first or only drawing for that sub-system. In this case multiple Power Distribution Schematics are included. "a" is for L18, "b" for LF8, "c" for LH6, and "d" for LMM engines.
H83010a_001_01	The "*001*" represents the revision level and is not important for most of your needs.
H83010a_001_0**1**	The "*01*" represents panel set one on the schematic and indicates the page number. This Schematic has nine pages for example.

Navigation

Every wire in the vehicle is given a unique circuit number. These numbers are indicated on the schematics in bold type next to the wire. An entire subsystem usually can't be represented by only one page. How do you determine where a wire is connected to once it leaves the page? Either the signal is connected somewhere else in the same subsystem or it goes to another subsystem.

(continued on next page)

(Overview — continued from previous page)

Arrows and "Home" Plates

An Arrow is used to indicate that the signal stays within the same subsystem. The schematic indicates the circuit number and (page #) next to the arrow. A pointed arrow (→) points to where it's going to. A receiving arrow (➤—) shows what page it came from.

A "Baseball Home Plate" ⬡ or ⌂ indicates that the signal goes to another subsystem.

Example:

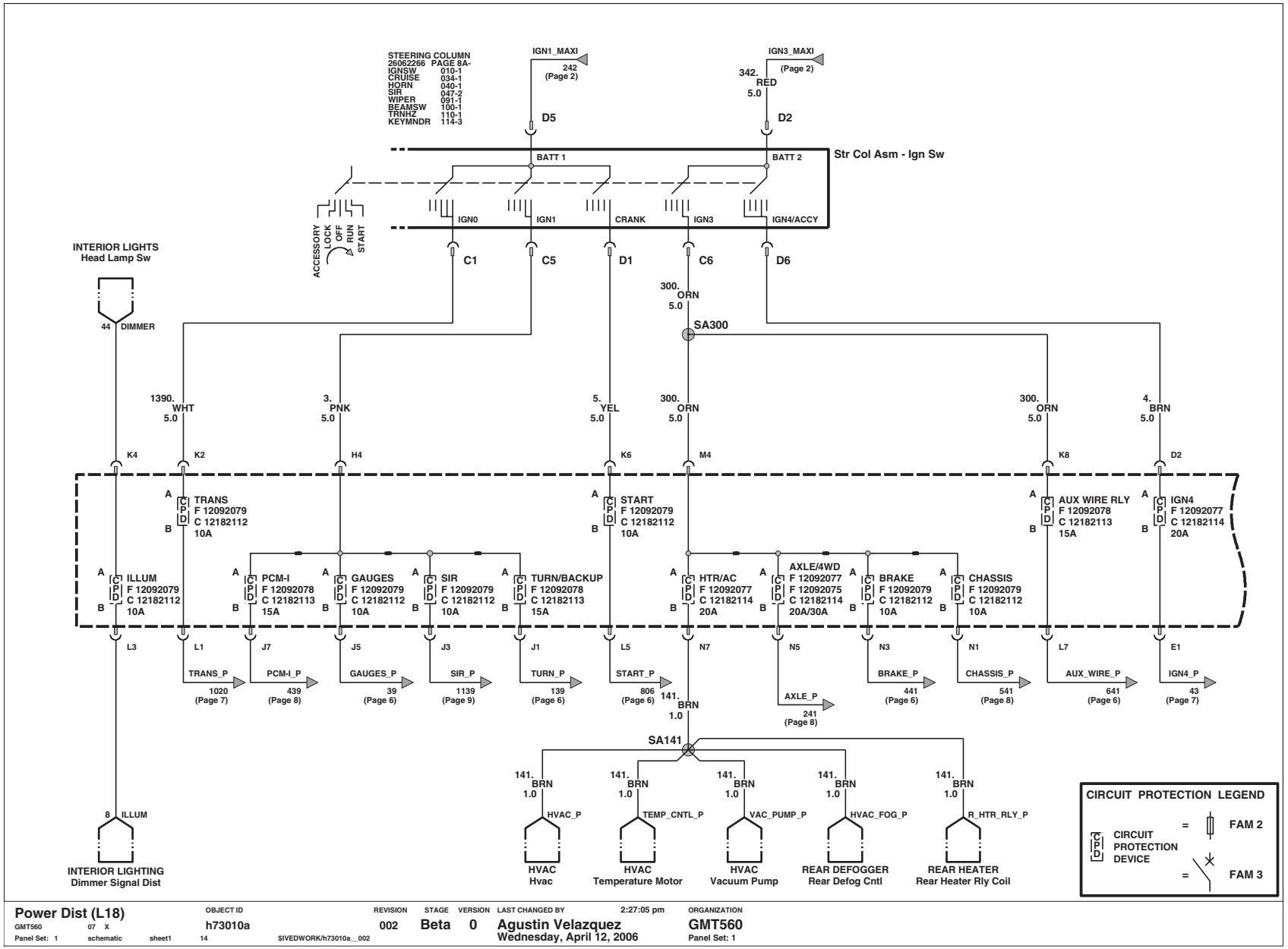
A ⌂ is shown on the bottom left of the first schematic Power Distribution H83010a_001_01. *(see page D-3)*
This is an eight circuit and the "baseball plate" indicates which subsystem it goes to. It is marked:
Interior Lighting

Two "baseball plates" are shown so you look for the eight circuit to identify the proper circuit.
Fuse protection is shown in the "baseball plate."

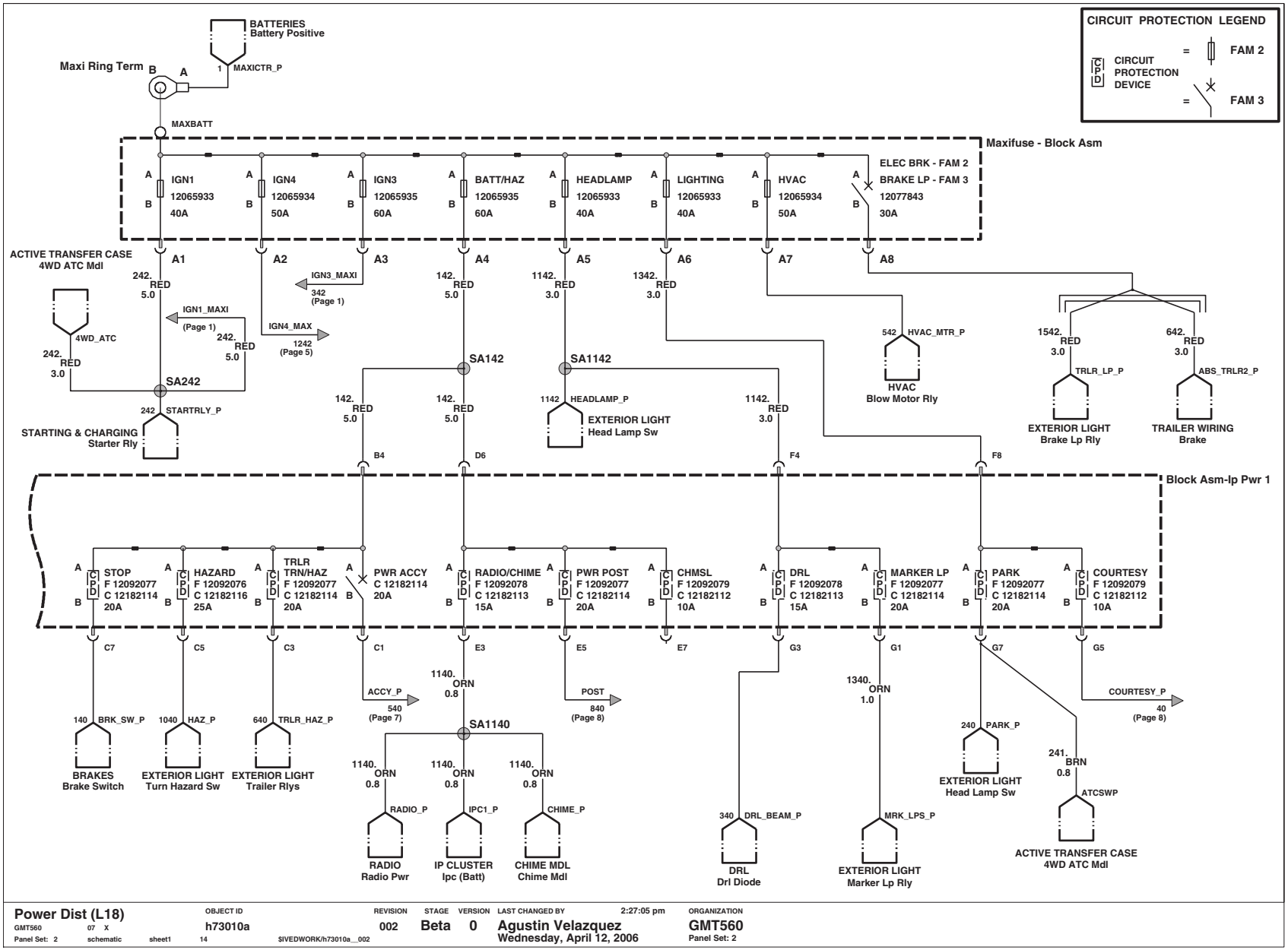
Other Information

Other information on the schematics are wire color and size. The size is shown in square mm. Connector information is indicated for devices. Terminal assignments are shown for devices. The connector PN is for the harness end not the device.

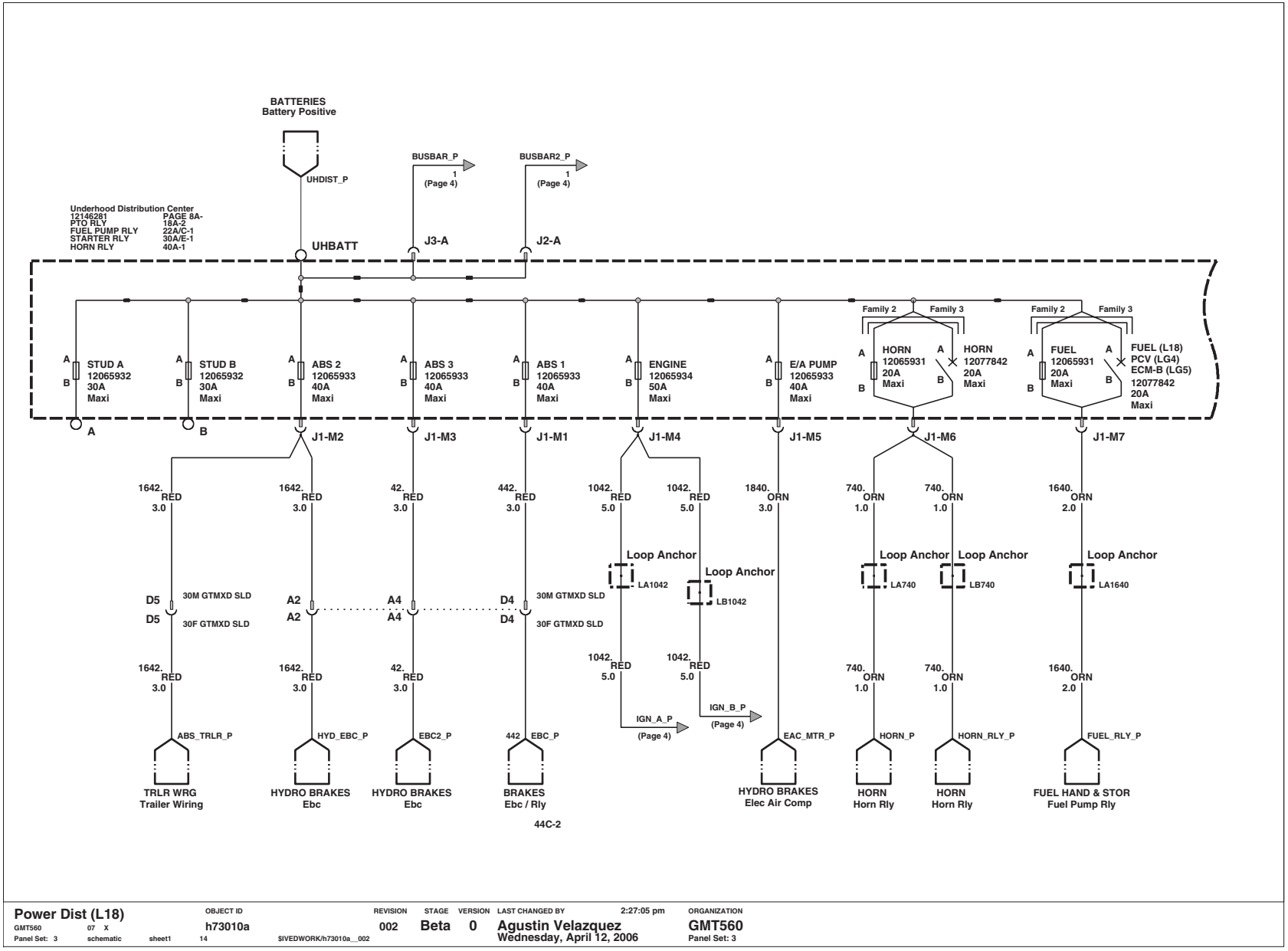
Power Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas



Power Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)

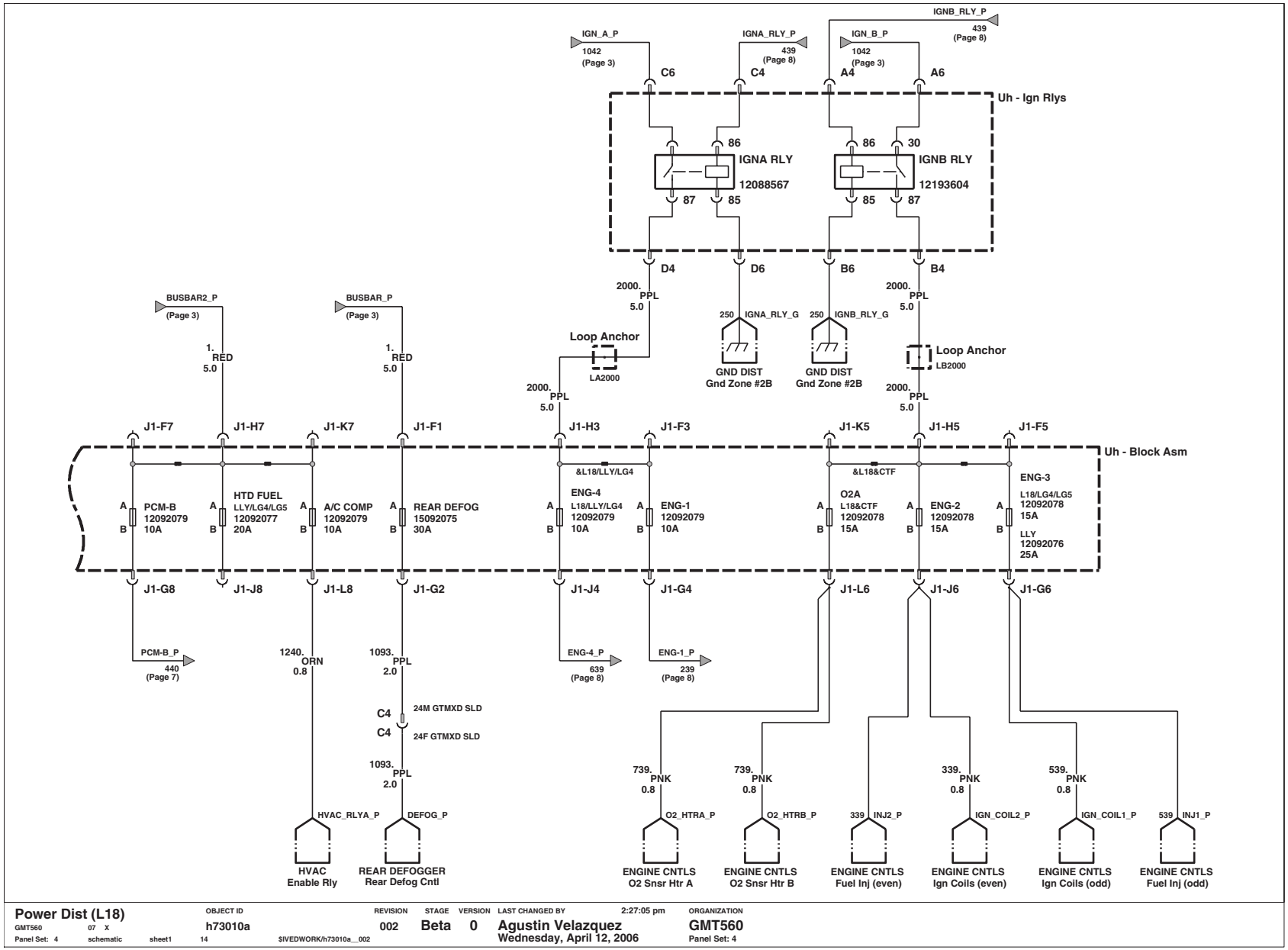


Power Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)

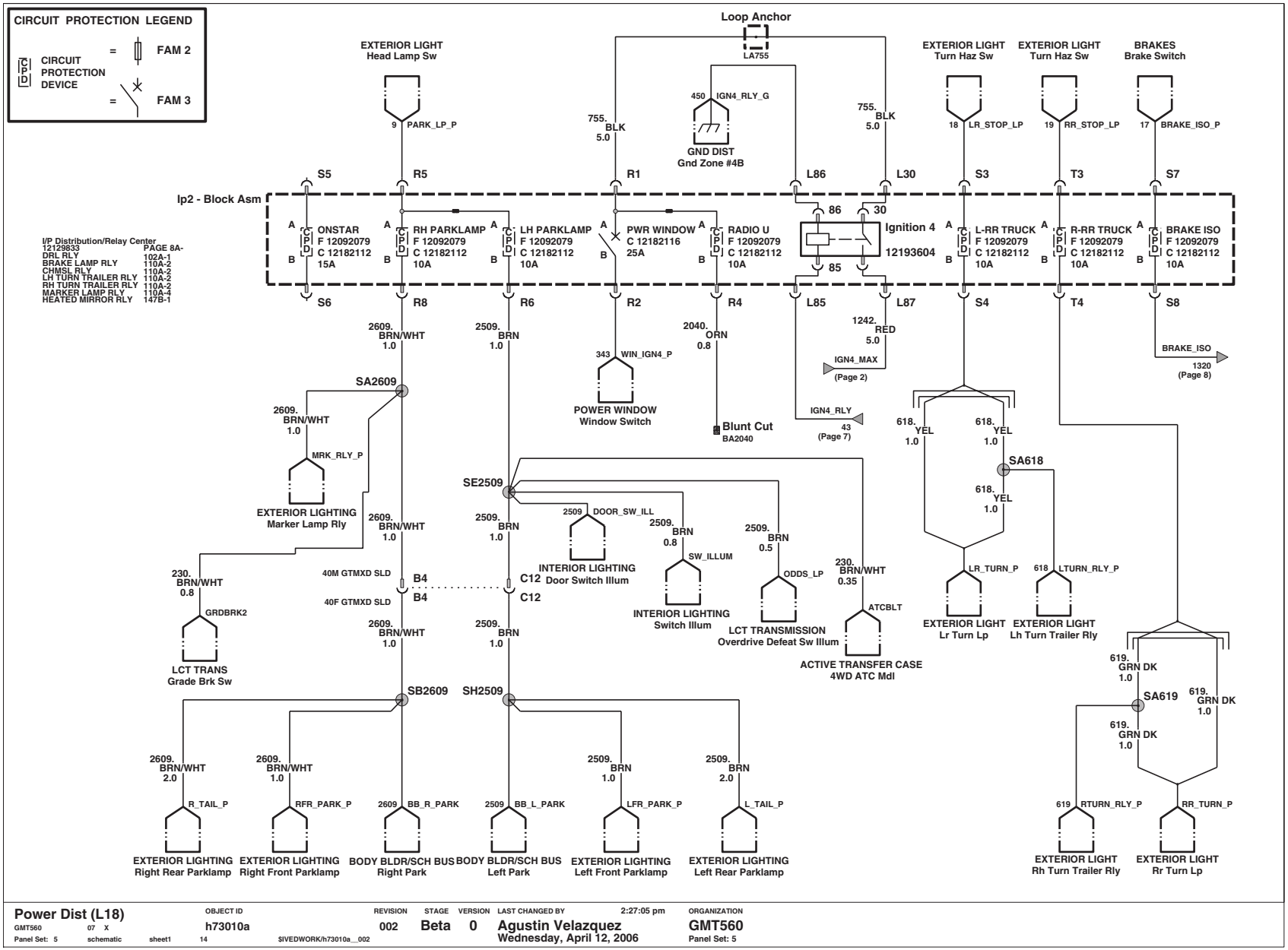


Power Dist (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010a	002	Beta	0	Agustin Velazquez	2:27:05 pm	GMT560
Panel Set: 3 schematic sheet1 14	$IVEDWORK/h73010a__002				Wednesday, April 12, 2006		Panel Set: 3

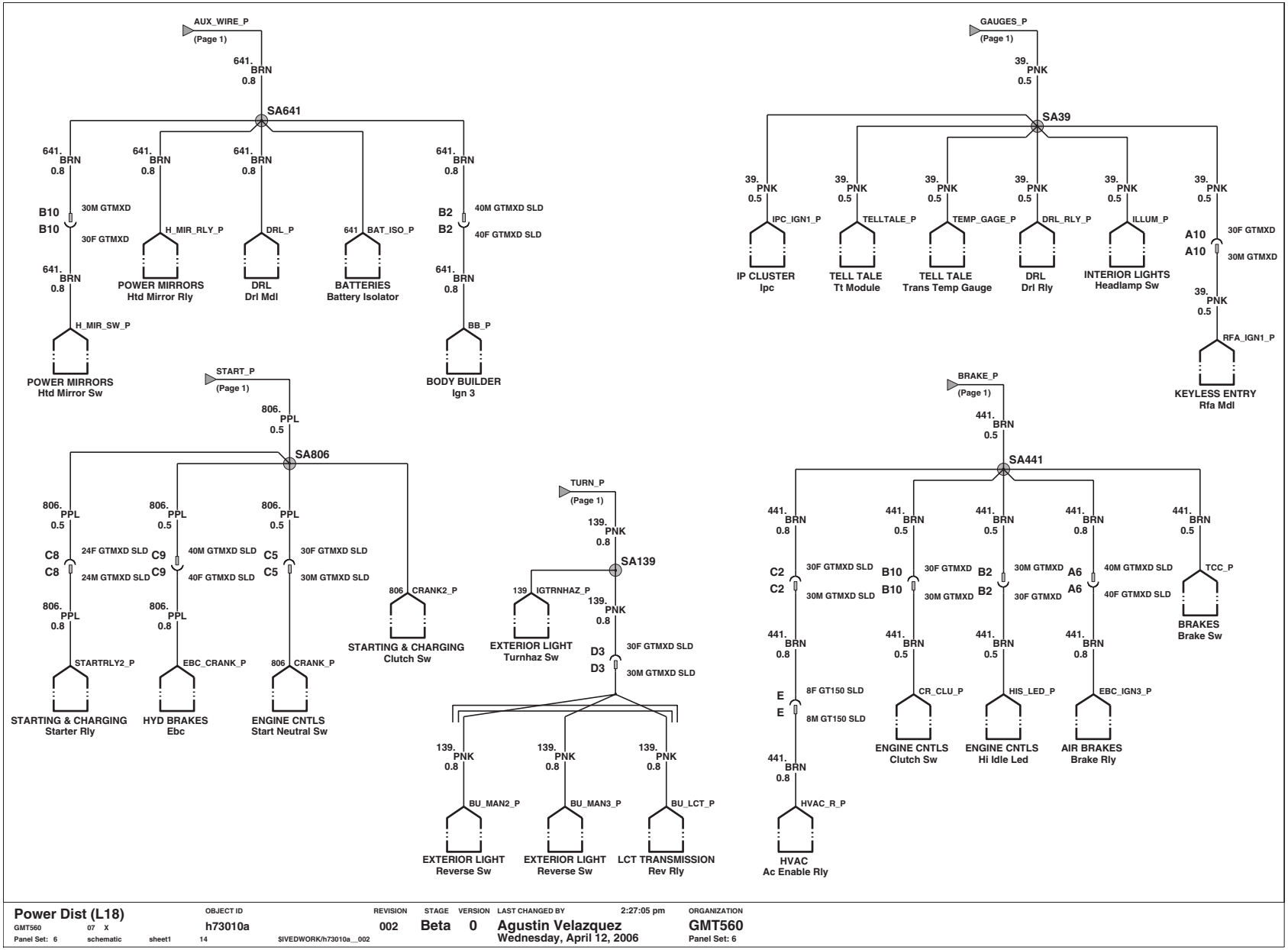
Power Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



Power Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)

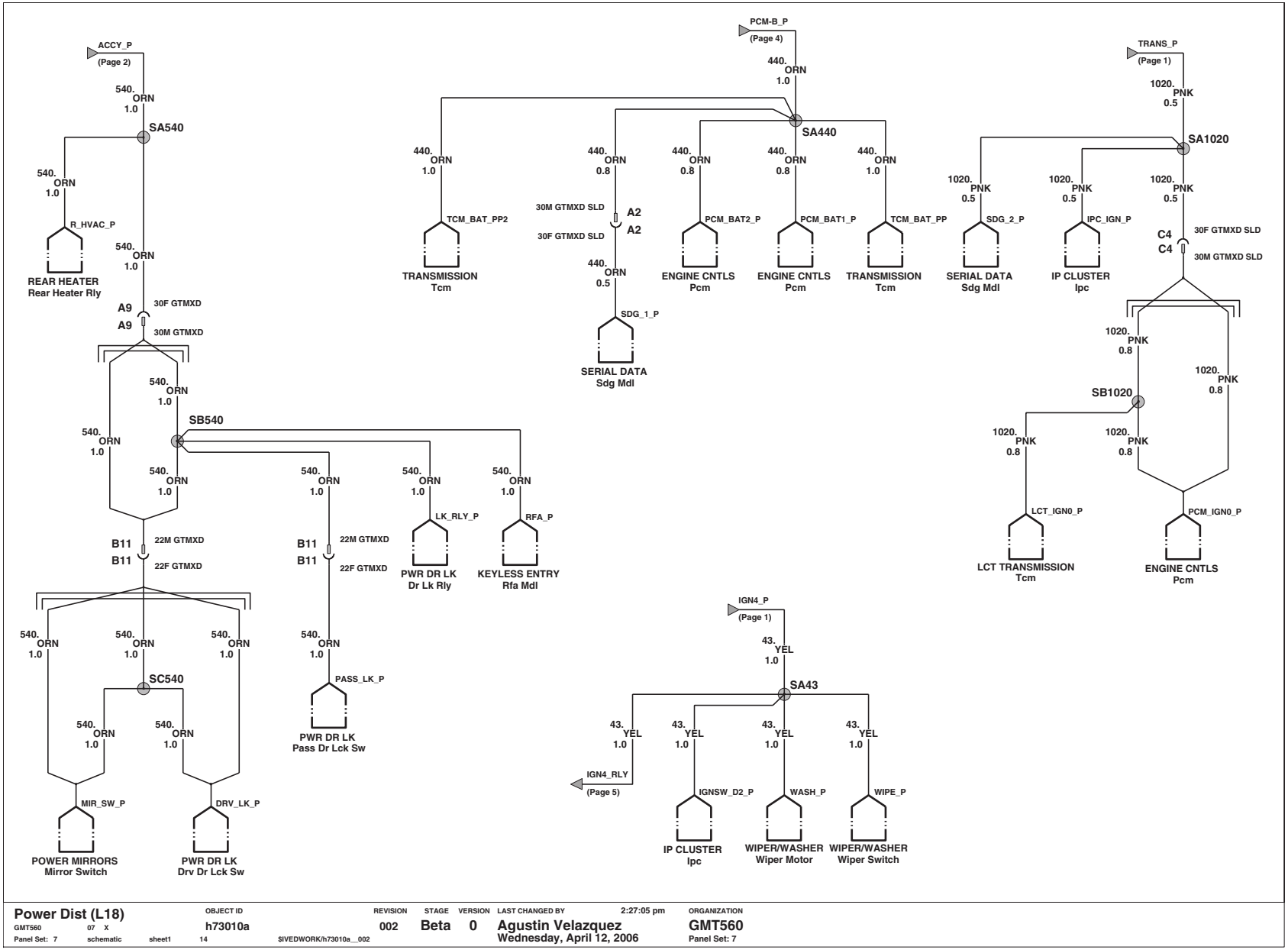


Power Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)

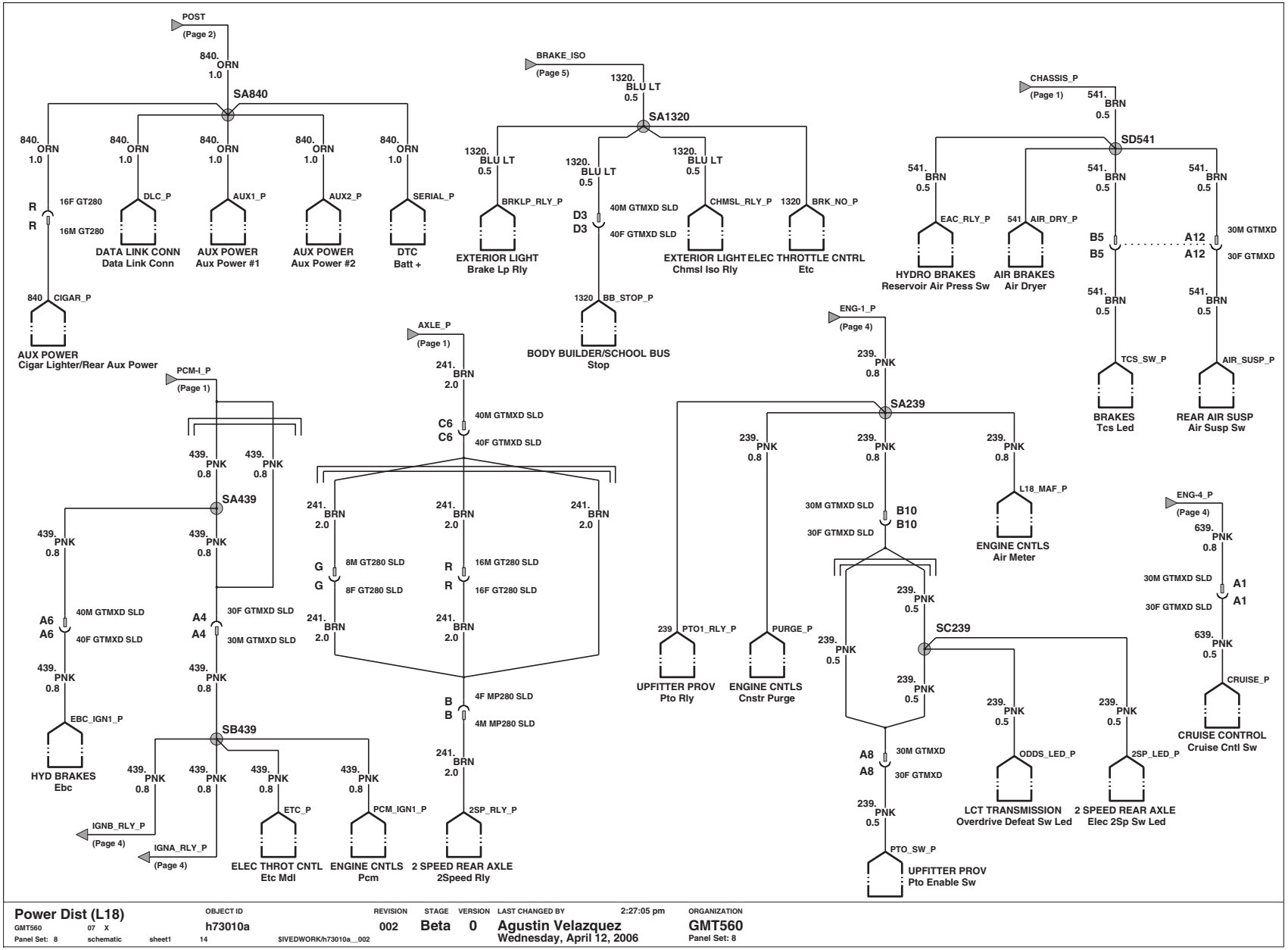


Power Dist (L18) GMT560 07 X Panel Set: 6 schematic sheet1 14 $IVEDWORK/h73010a__002
OBJECT ID h73010a
REVISION 002
STAGE Beta
VERSION 0
LAST CHANGED BY Agustin Velazquez
2:27:05 pm Wednesday, April 12, 2006
ORGANIZATION GMT560 Panel Set: 6

Power Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)

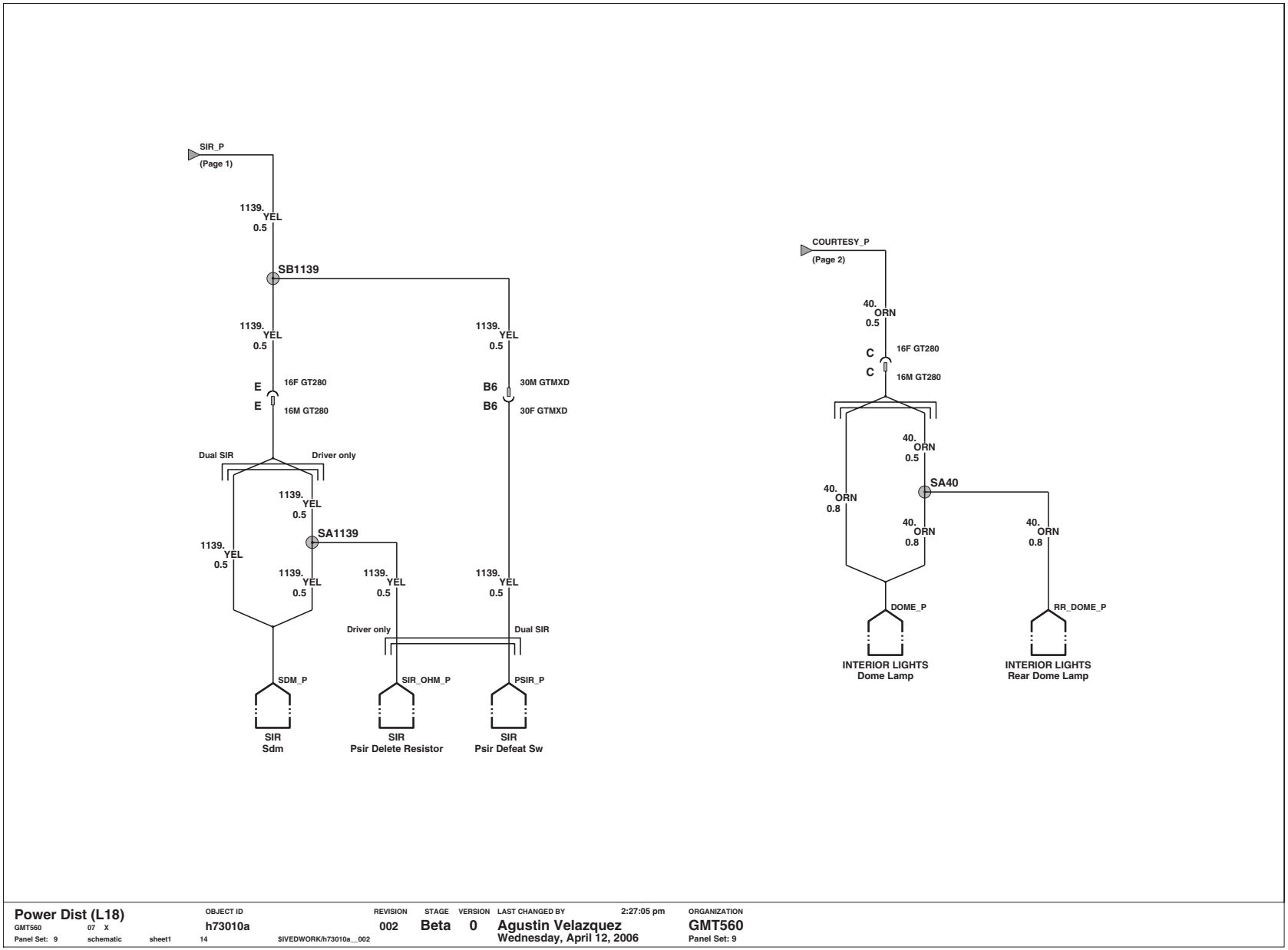


Power Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



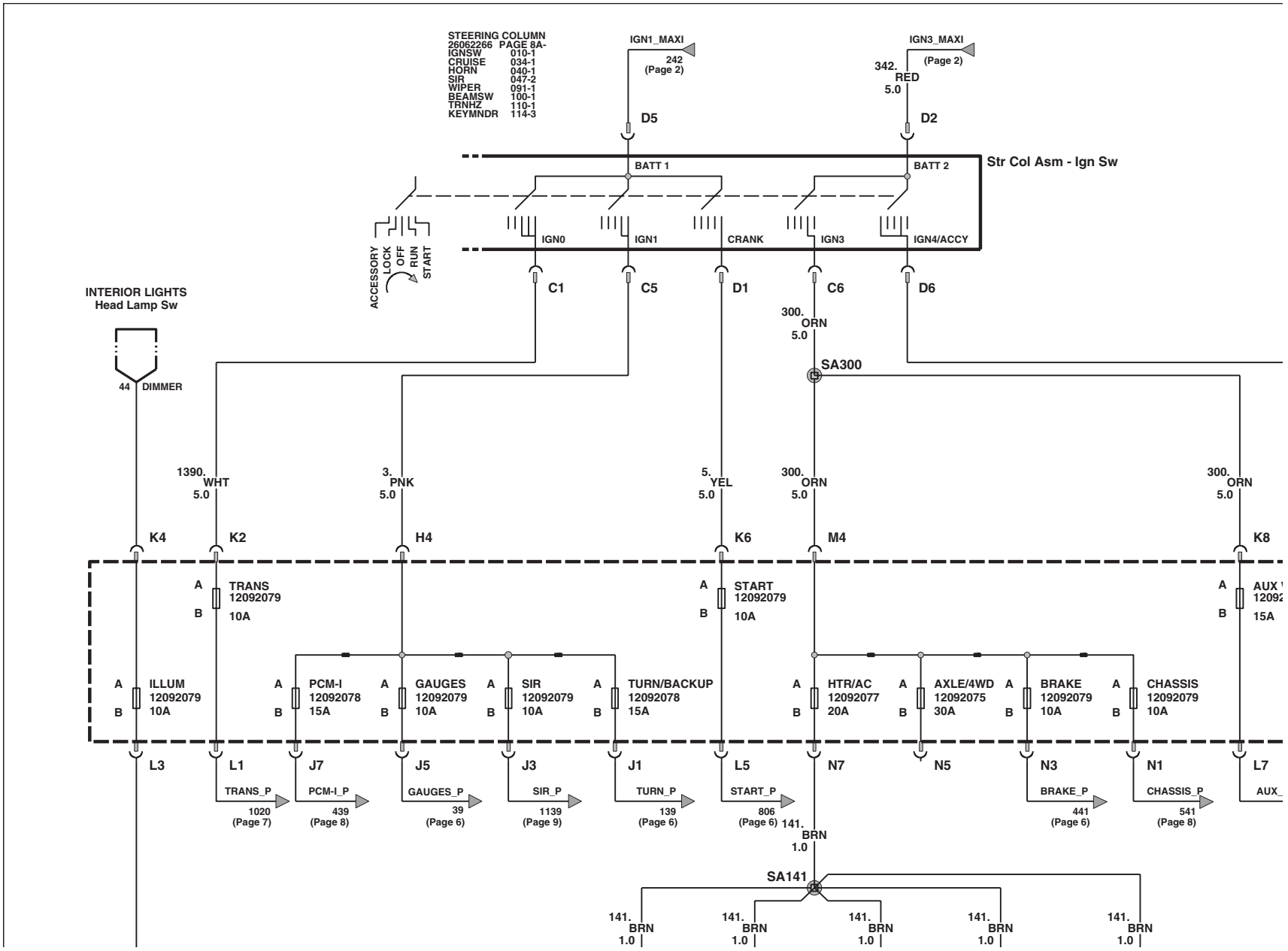
Power Dist (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010a	002	Beta	0	Agustin Velazquez	2:27:05 pm	GMT560
Panel Set: 8 schematic sheet1 14	$IVEDWORK/h73010a__002				Wednesday, April 12, 2006		Panel Set: 8

Power Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)

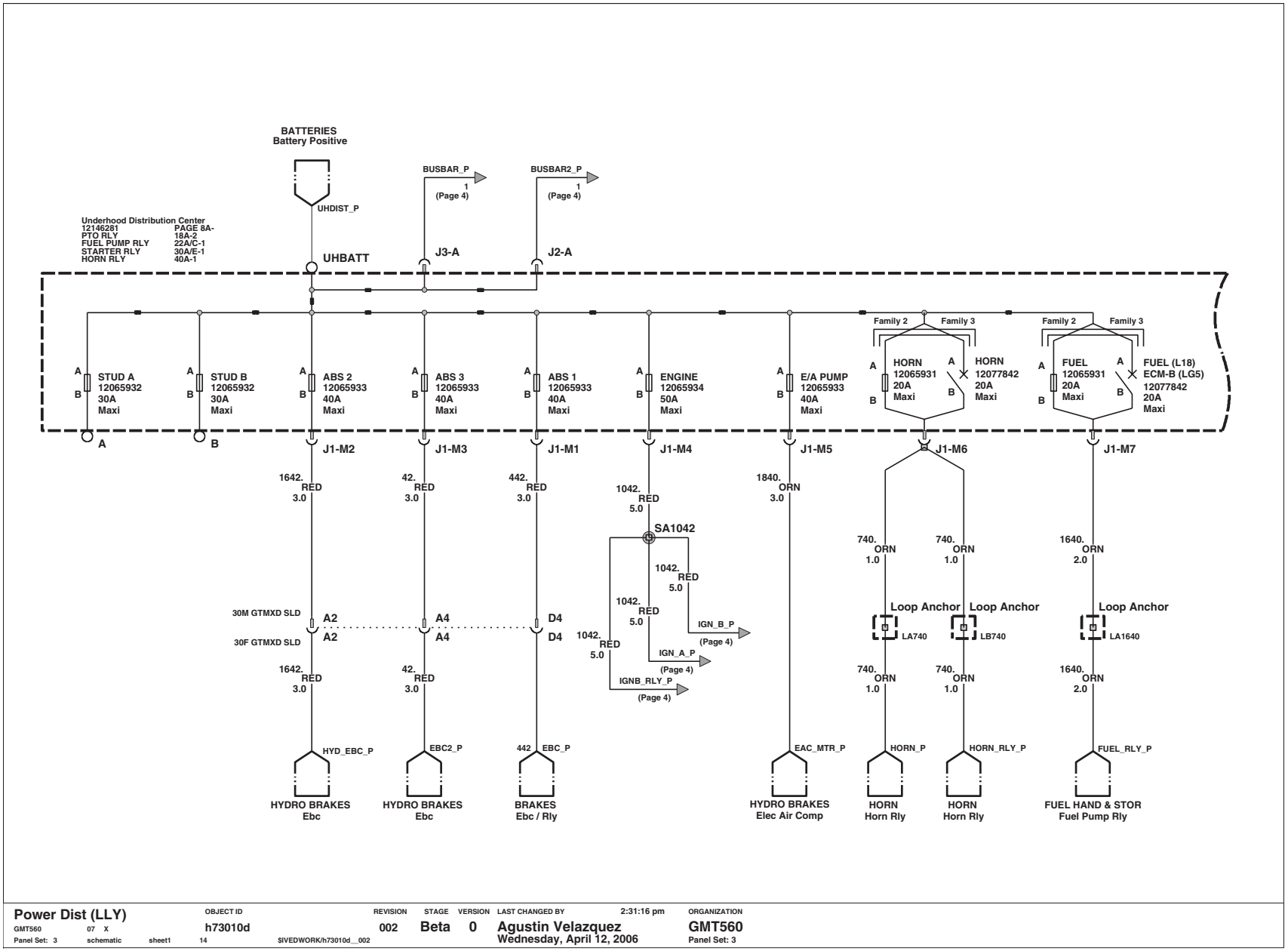


Power Dist (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010a	002	Beta	0	Agustin Velazquez	2:27:05 pm	GMT560
Panel Set: 9 schematic sheet1 14	$IVEDWORK/h73010a__002				Wednesday, April 12, 2006		Panel Set: 9

Power Distribution - (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel

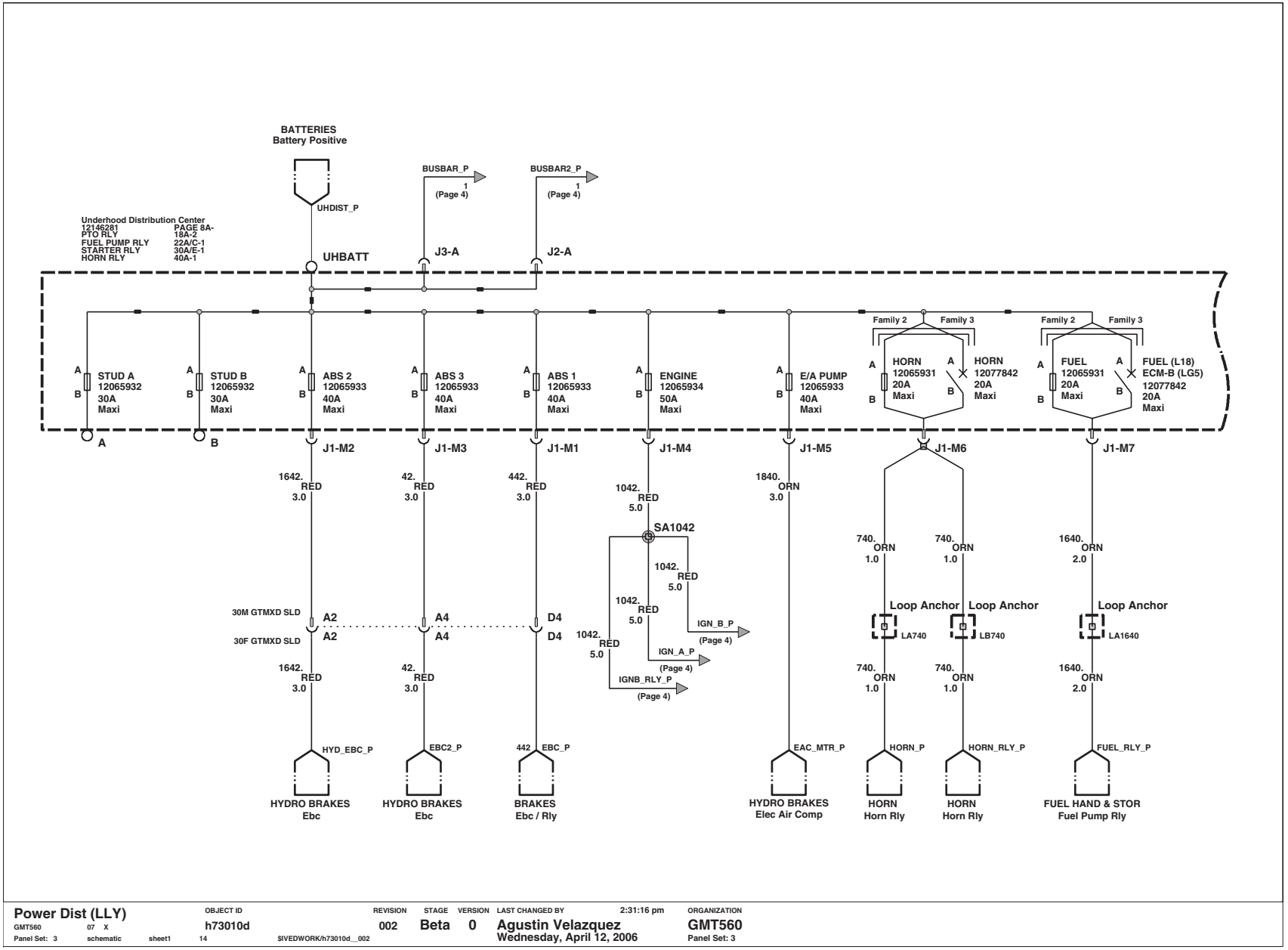


Power Distribution - (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



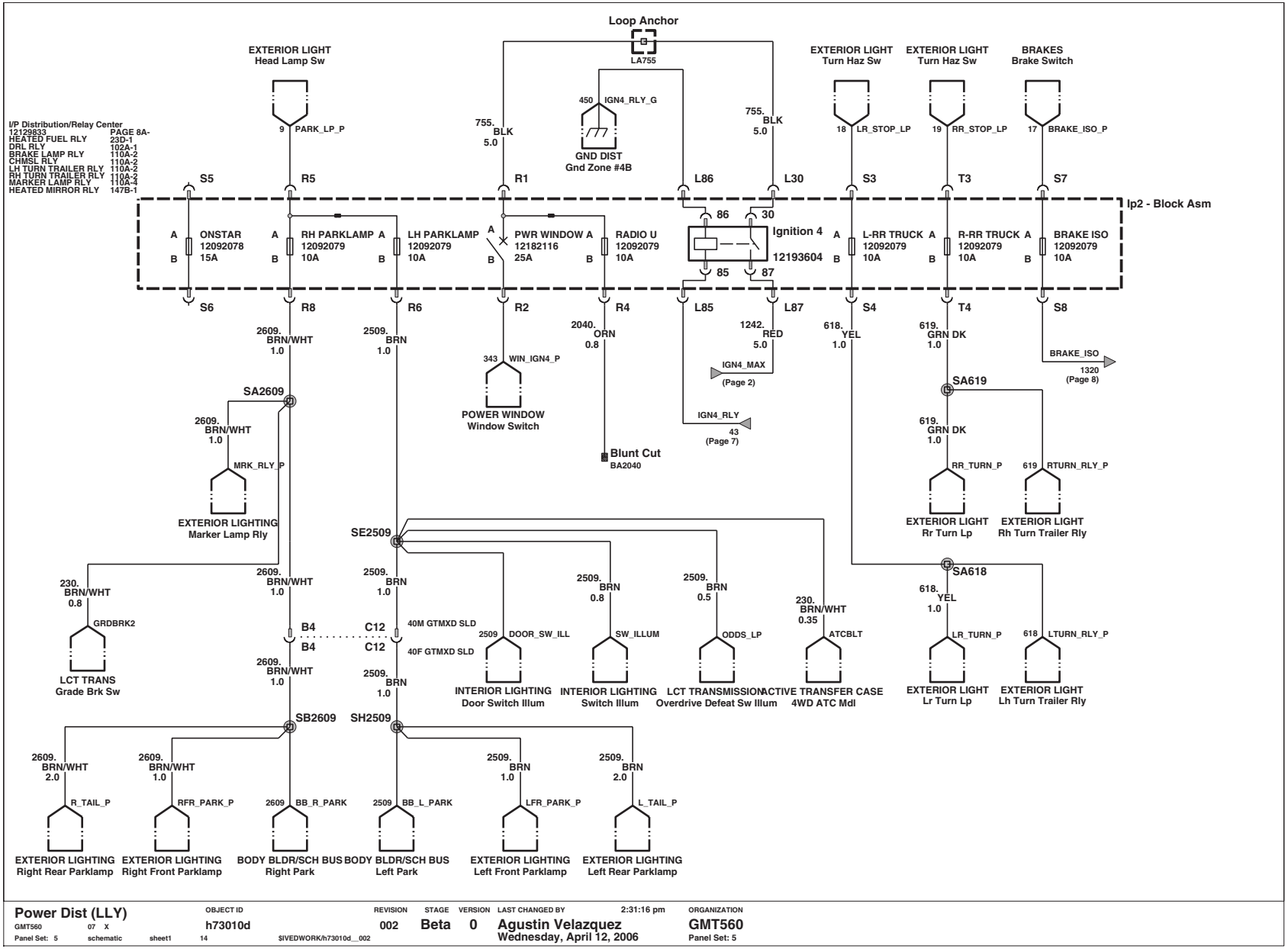
Power Dist (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010d	002	Beta	0	Agustin Velazquez	2:31:16 pm	GMT560
Panel Set: 3 schematic sheet1 14	$IVEDWORK/h73010d__002				Wednesday, April 12, 2006		Panel Set: 3

Power Distribution - (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

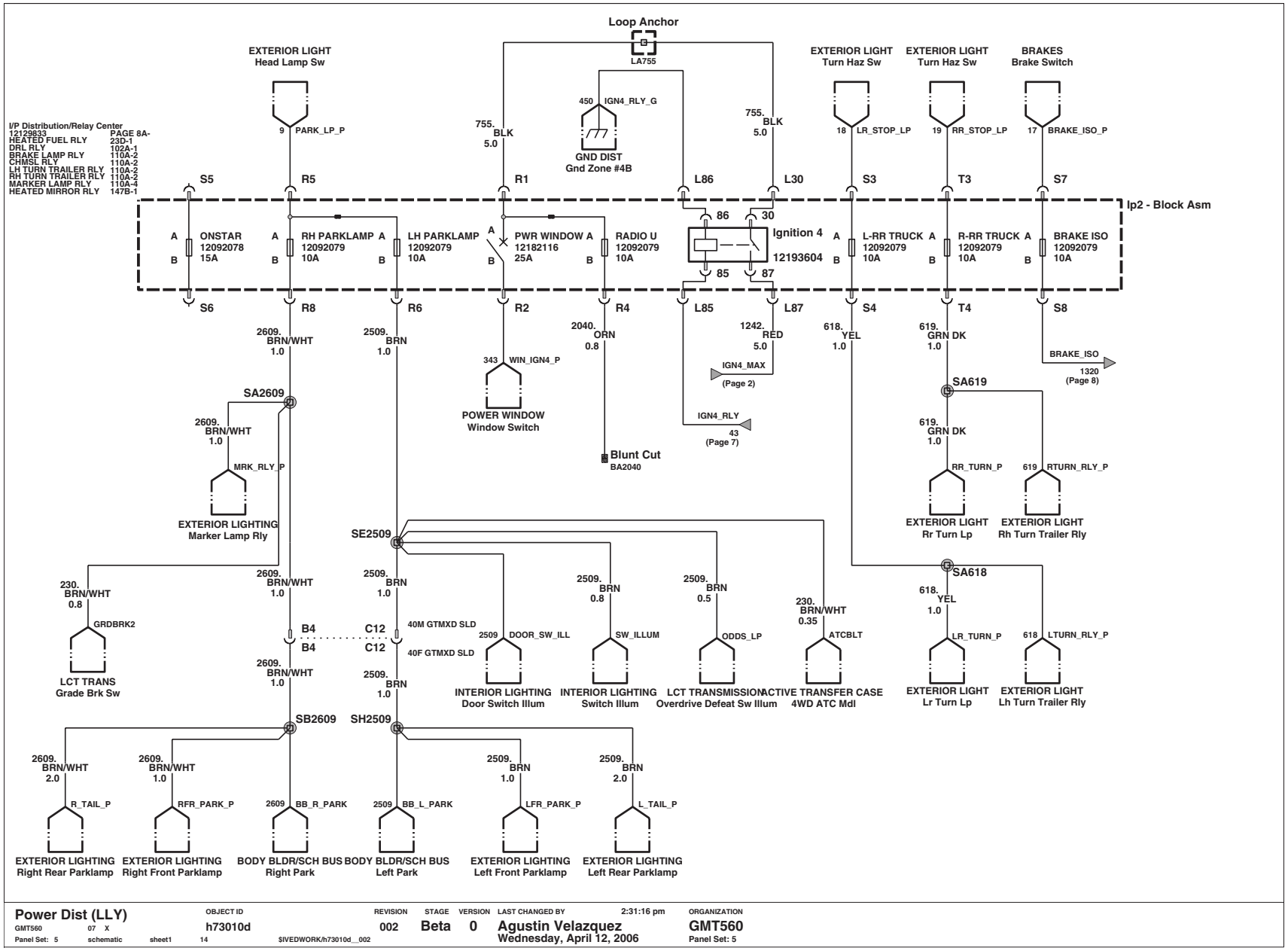


Power Dist (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010d	002	Beta	0	Agustin Velazquez	2:31:16 pm	GMT560
Panel Set: 3 schematic sheet1 14	$IVEDWORK/h73010d__002				Wednesday, April 12, 2006		Panel Set: 3

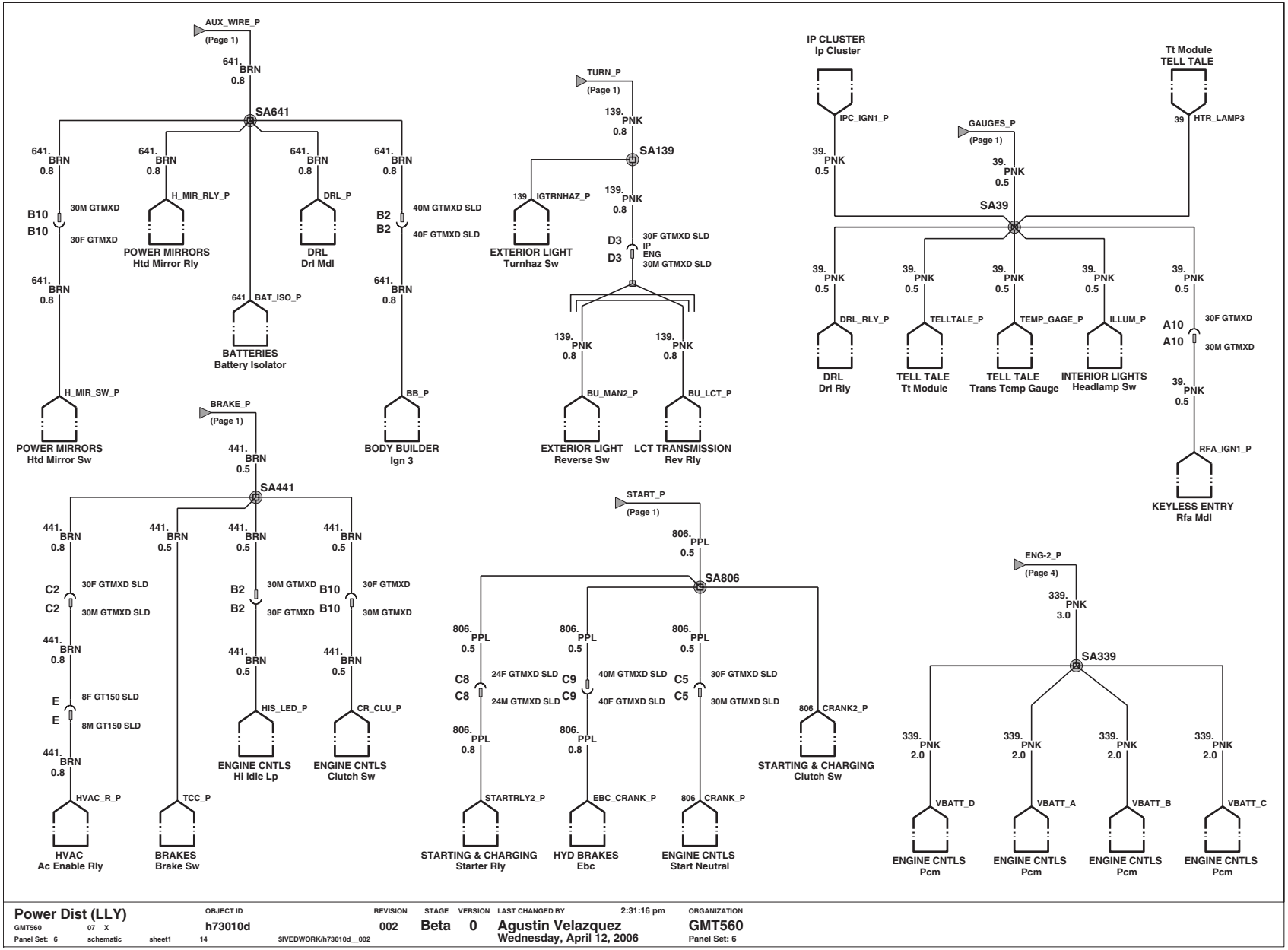
Power Distribution - (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



Power Distribution - (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

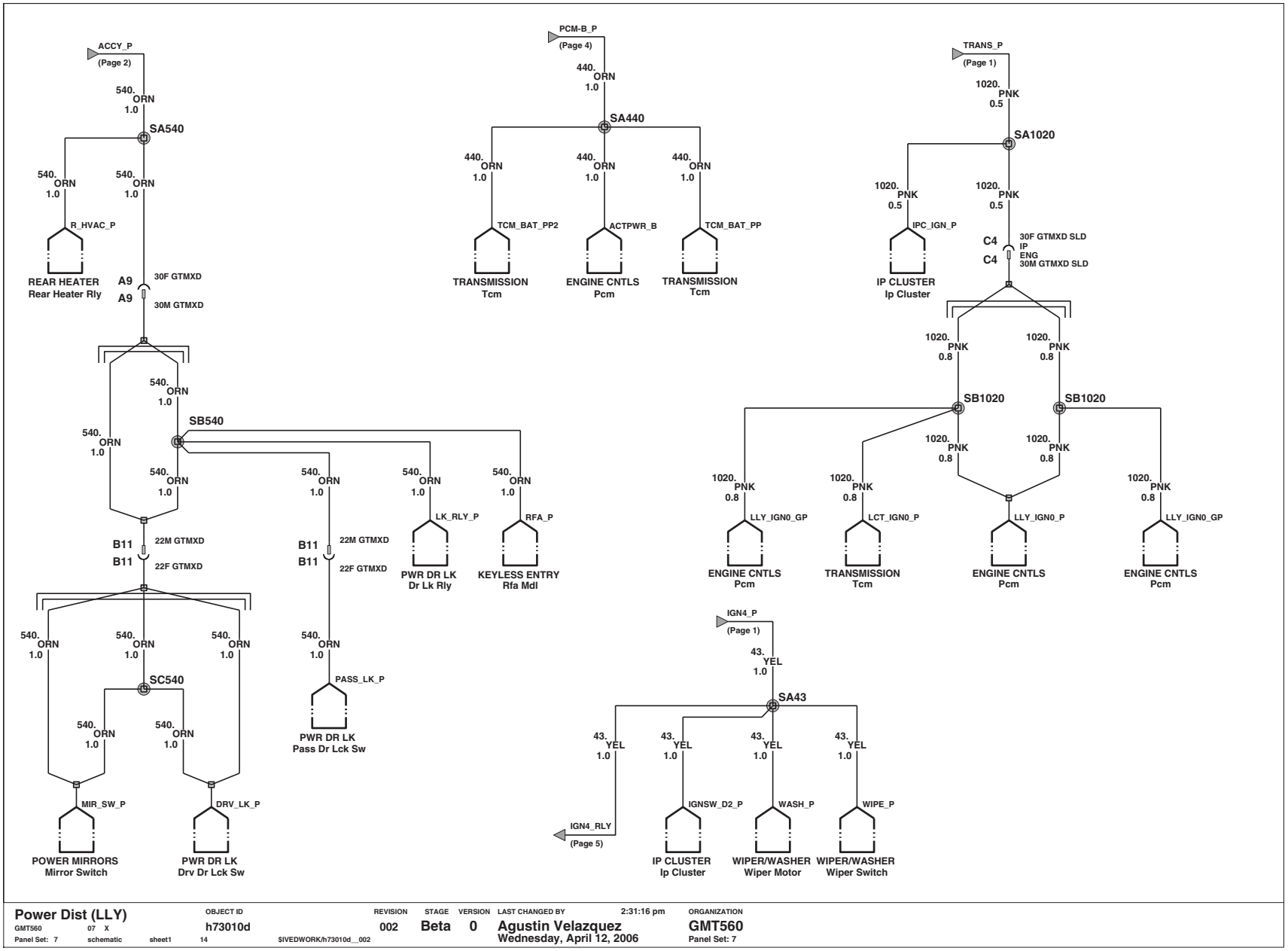


Power Distribution - (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



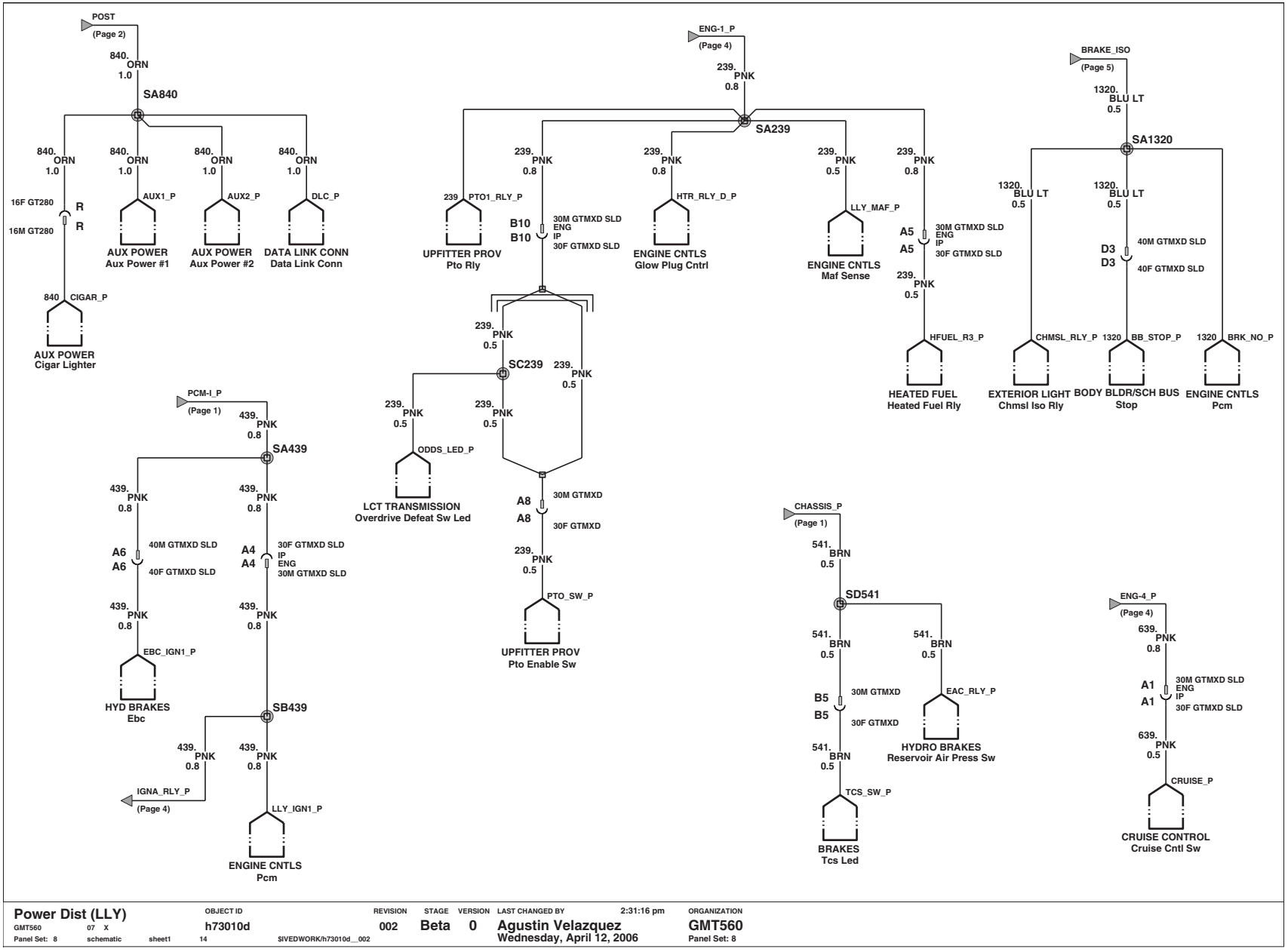
Power Dist (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010d	002	Beta	0	Agustin Velazquez	2:31:16 pm	GMT560
Panel Set: 6 schematic sheet1 14	$IVEDWORK/h73010d__002				Wednesday, April 12, 2006		Panel Set: 6

Power Distribution - (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



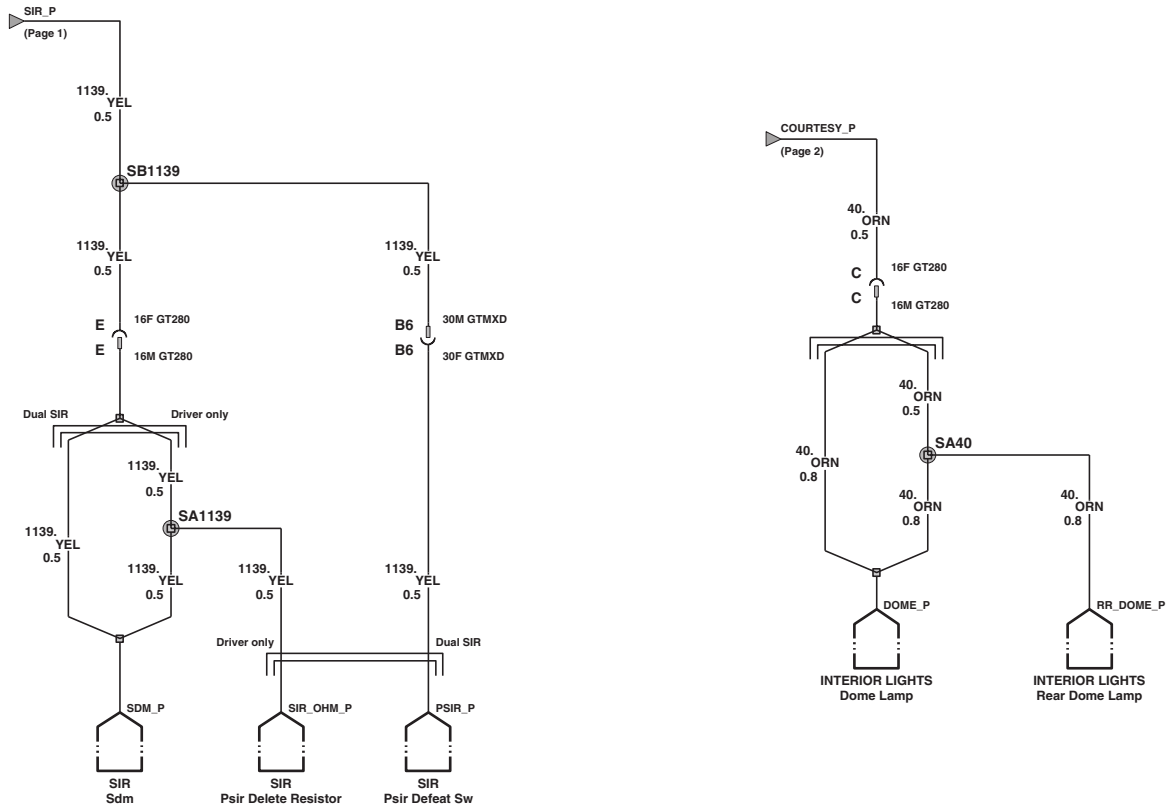
Power Dist (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010d	002	Beta	0	Agustin Velazquez	2:31:16 pm	GMT560
Panel Set: 7 schematic sheet1 14	$IVEDWORK/h73010d__002				Wednesday, April 12, 2006		Panel Set: 7

Power Distribution - (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



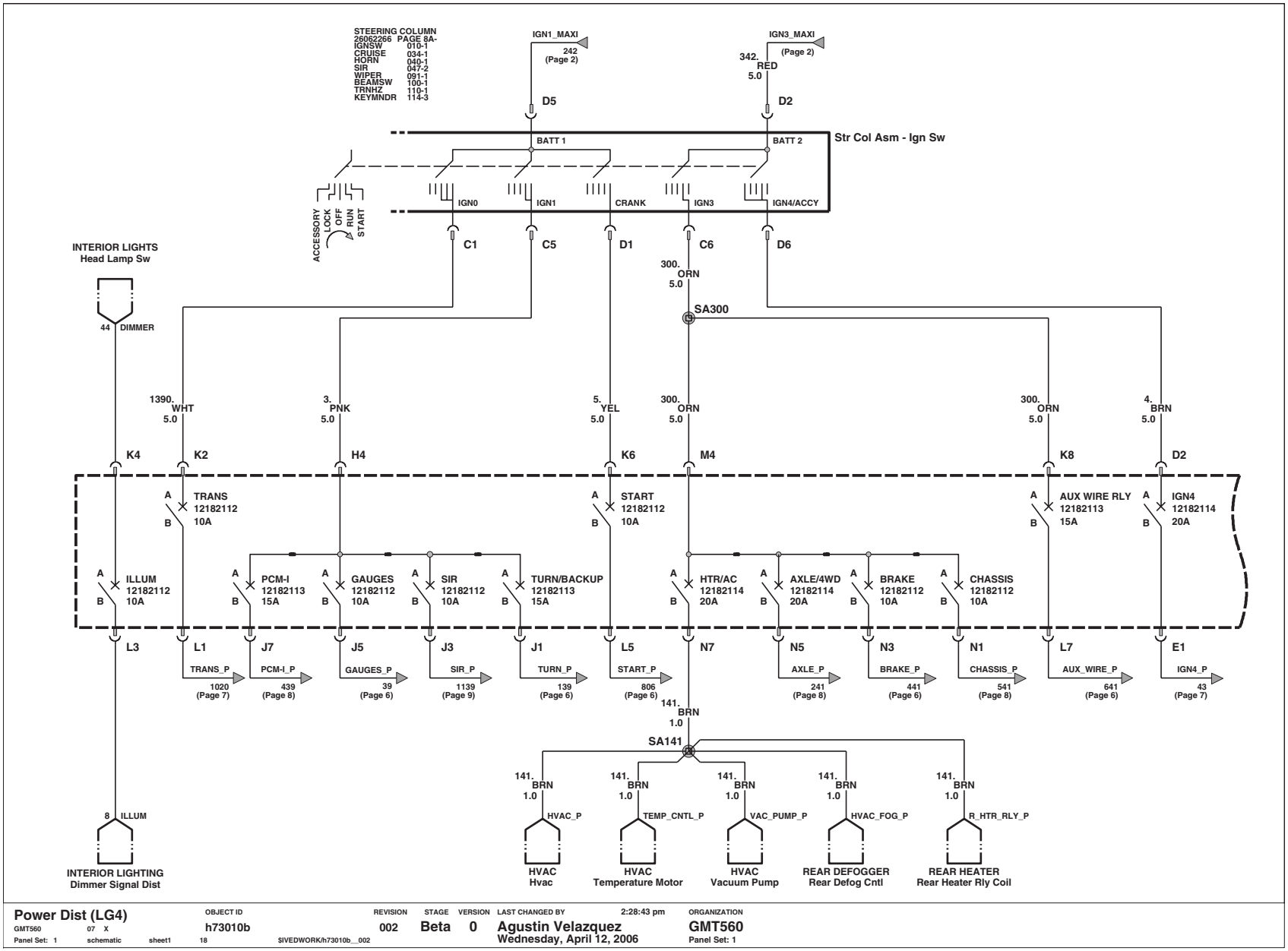
Power Dist (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010d	002	Beta	0	Agustin Velazquez	2:31:16 pm	GMT560
Panel Set: 8 schematic sheet1 14	SIVEDWORK/h73010d__002				Wednesday, April 12, 2006		Panel Set: 8

Power Distribution - (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

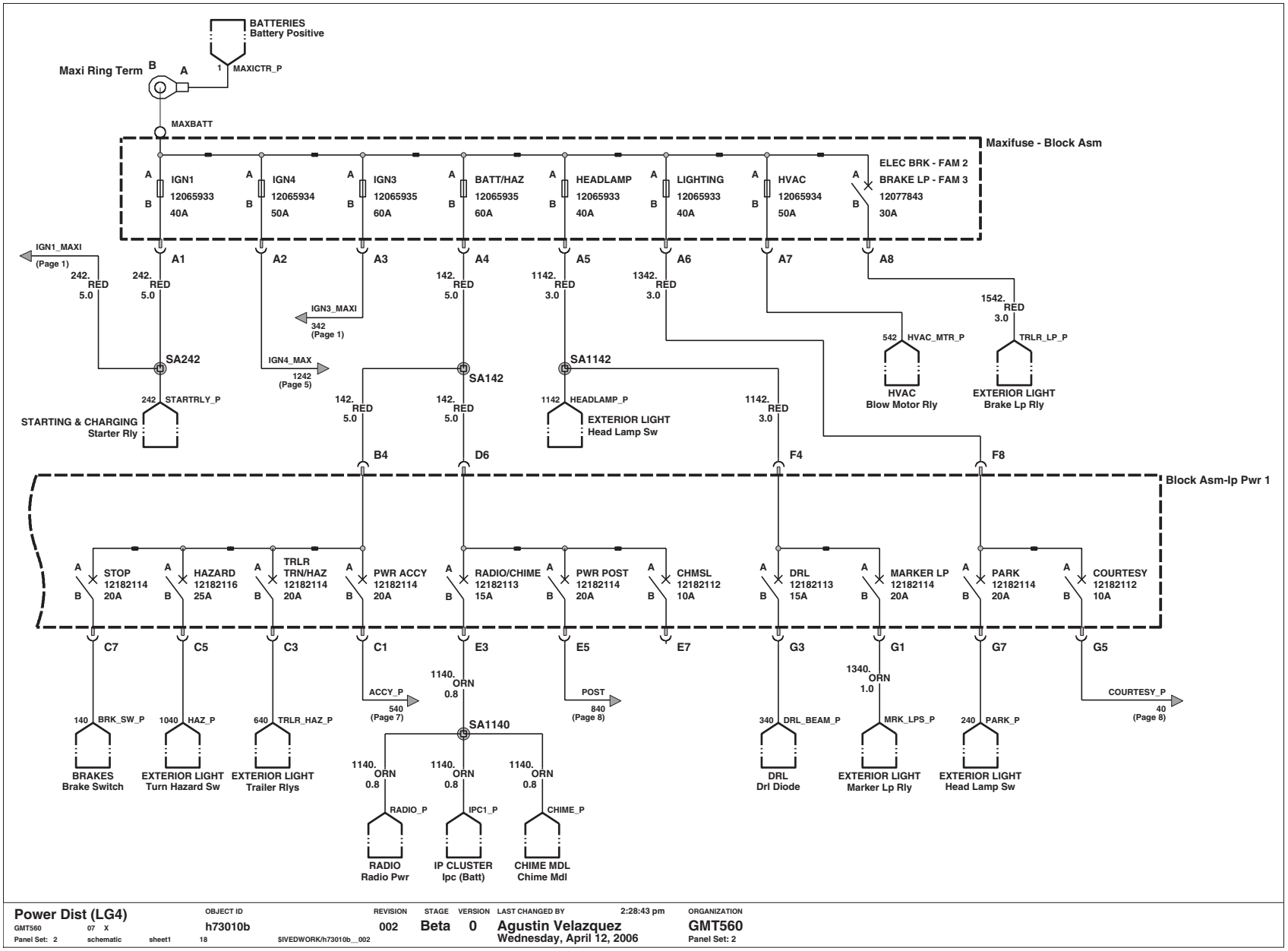


Power Dist (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010d	002	Beta	0	Agustin Velazquez	2:31:16 pm	GMT560
Panel Set: 9 schematic sheet1 14	SIVEDWORK/h73010d__002				Wednesday, April 12, 2006		Panel Set: 9

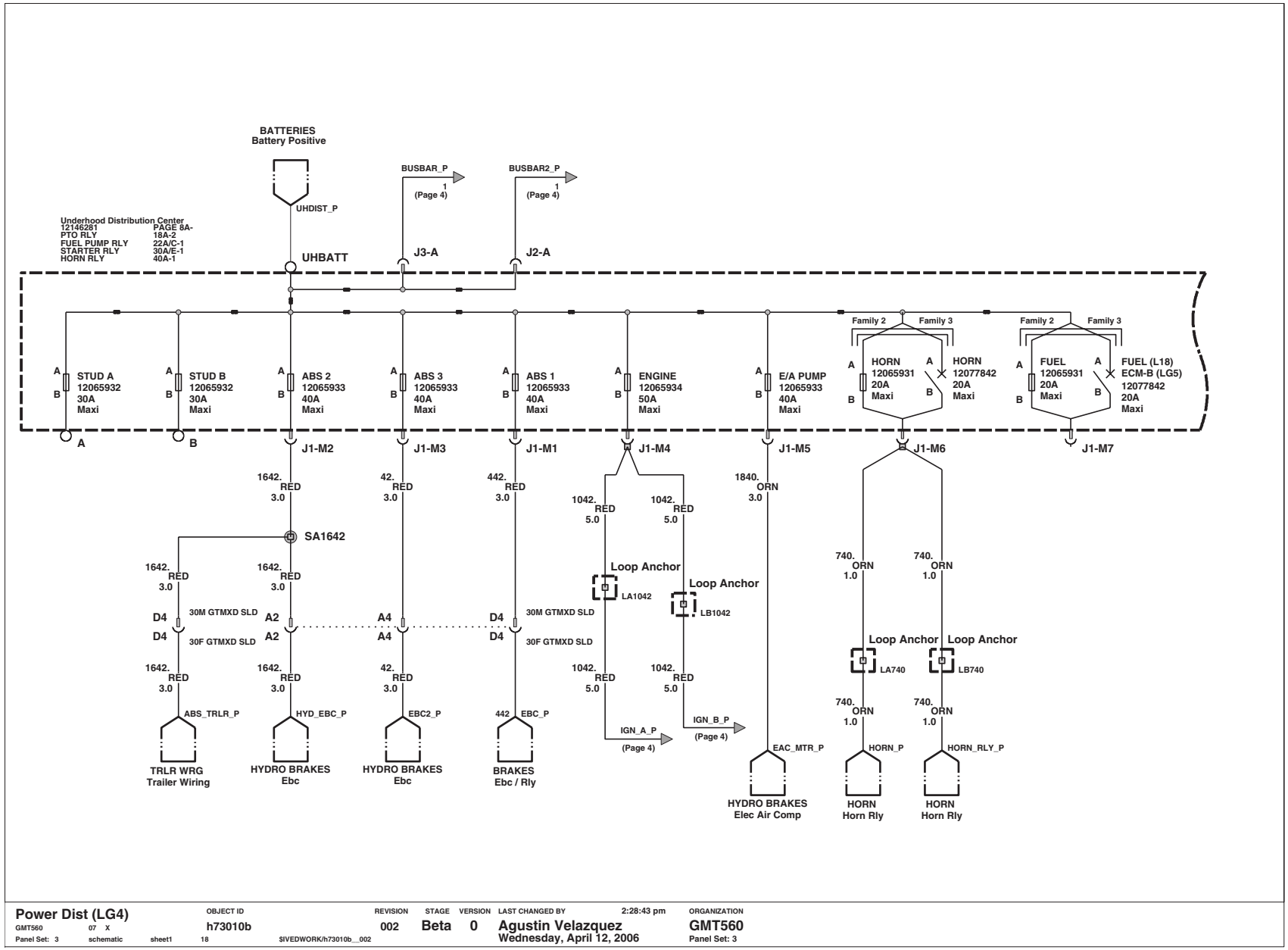
Power Distribution - (LG4) 7.8L L6 Isuzu 6H - Diesel



Power Distribution - (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

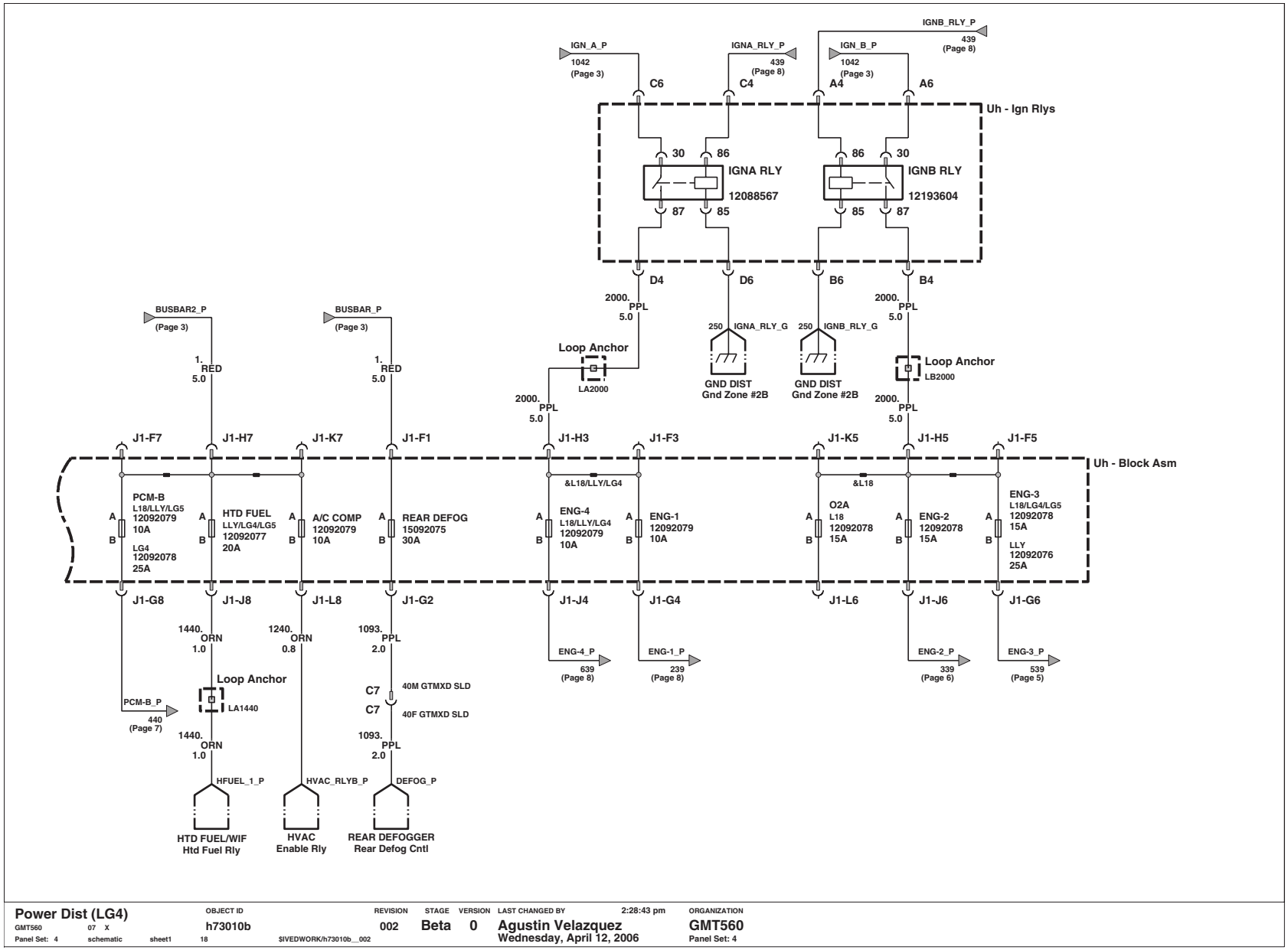


Power Distribution - (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



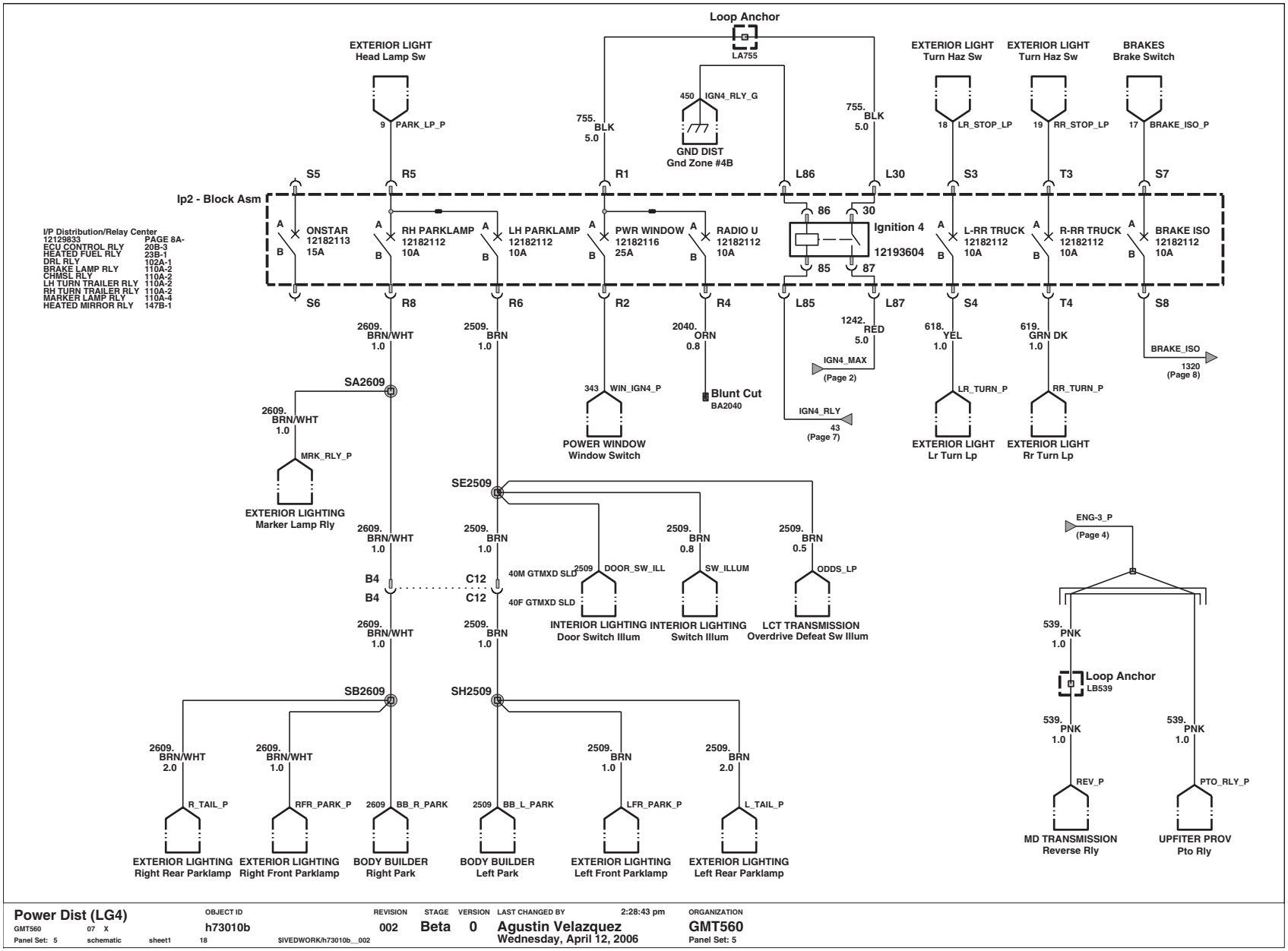
Power Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010b	002	Beta	0	Agustin Velazquez	2:28:43 pm	GMT560
Panel Set: 3 schematic sheet1 18	$IVEDWORK/h73010b__002				Wednesday, April 12, 2006		Panel Set: 3

Power Distribution - (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



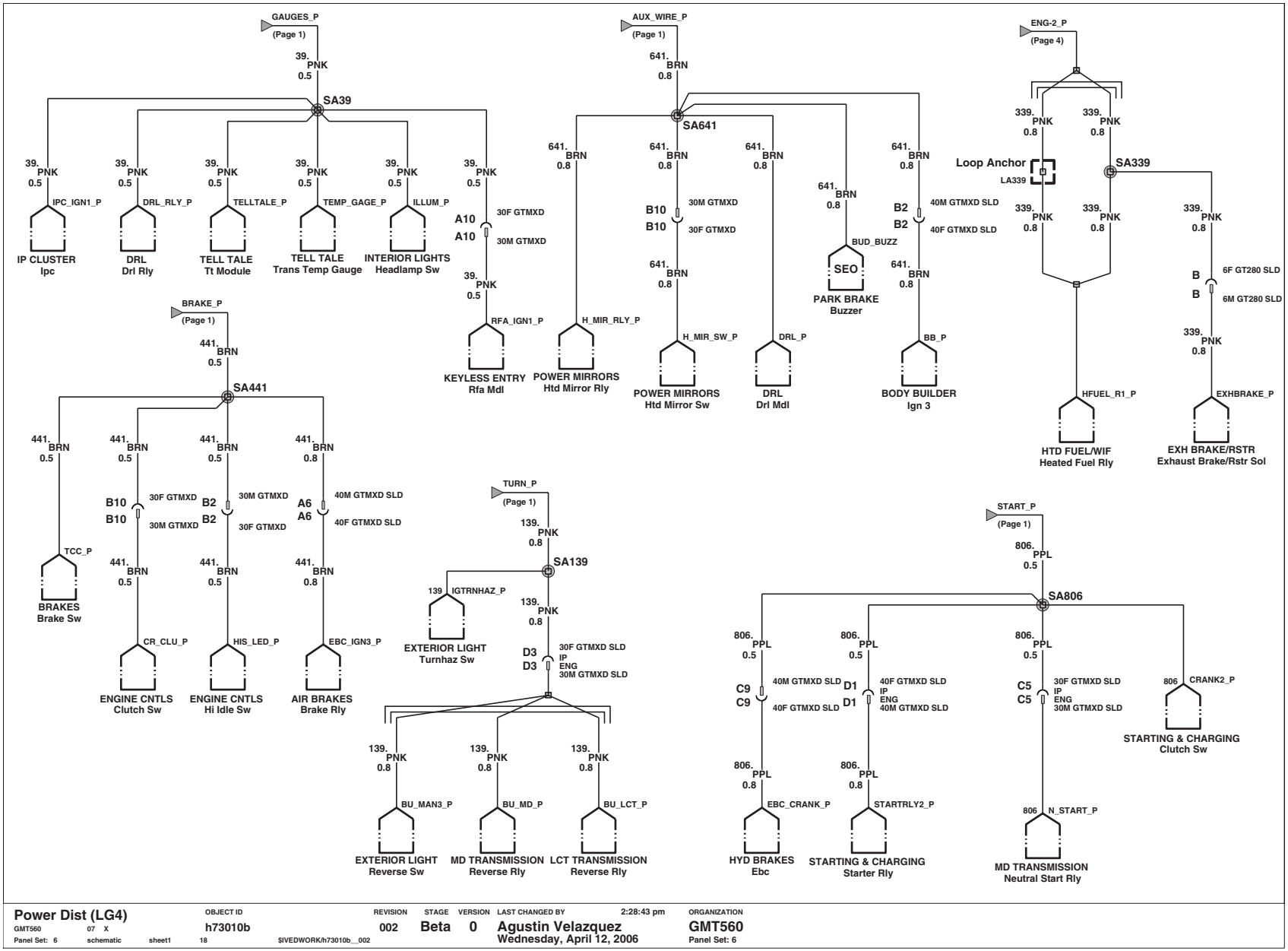
Power Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010b	002	Beta	0	Agustin Velazquez	2:28:43 pm	GMT560
Panel Set: 4 schematic sheet1 18	$IVEDWORK/h73010b__002				Wednesday, April 12, 2006		Panel Set: 4

Power Distribution - (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



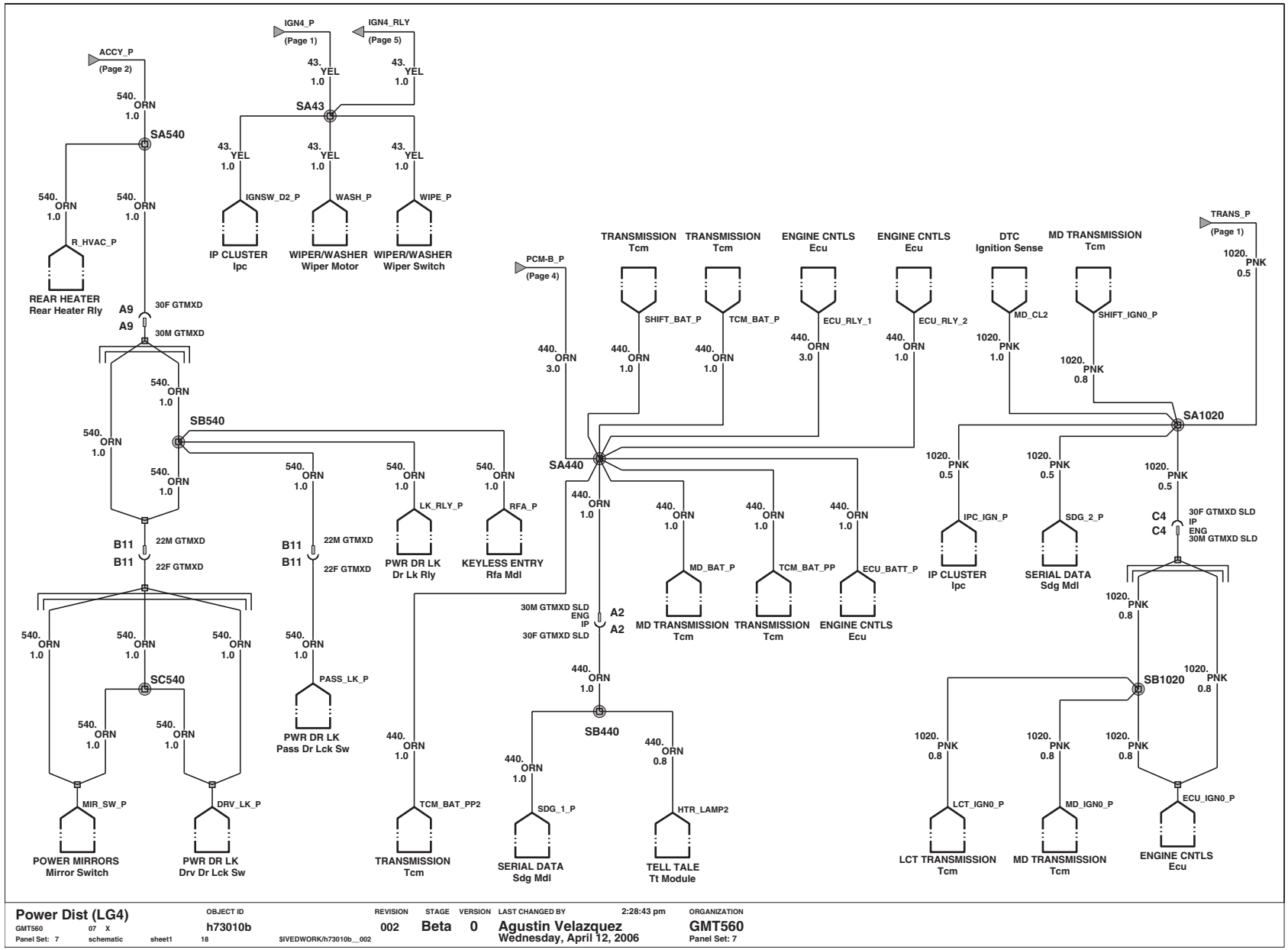
Power Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010b	002	Beta	0	Agustin Velazquez	2:28:43 pm	GMT560
Panel Set: 5 schematic sheet1 18	$IVEDWORK/h73010b__002				Wednesday, April 12, 2006		Panel Set: 5

Power Distribution - (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

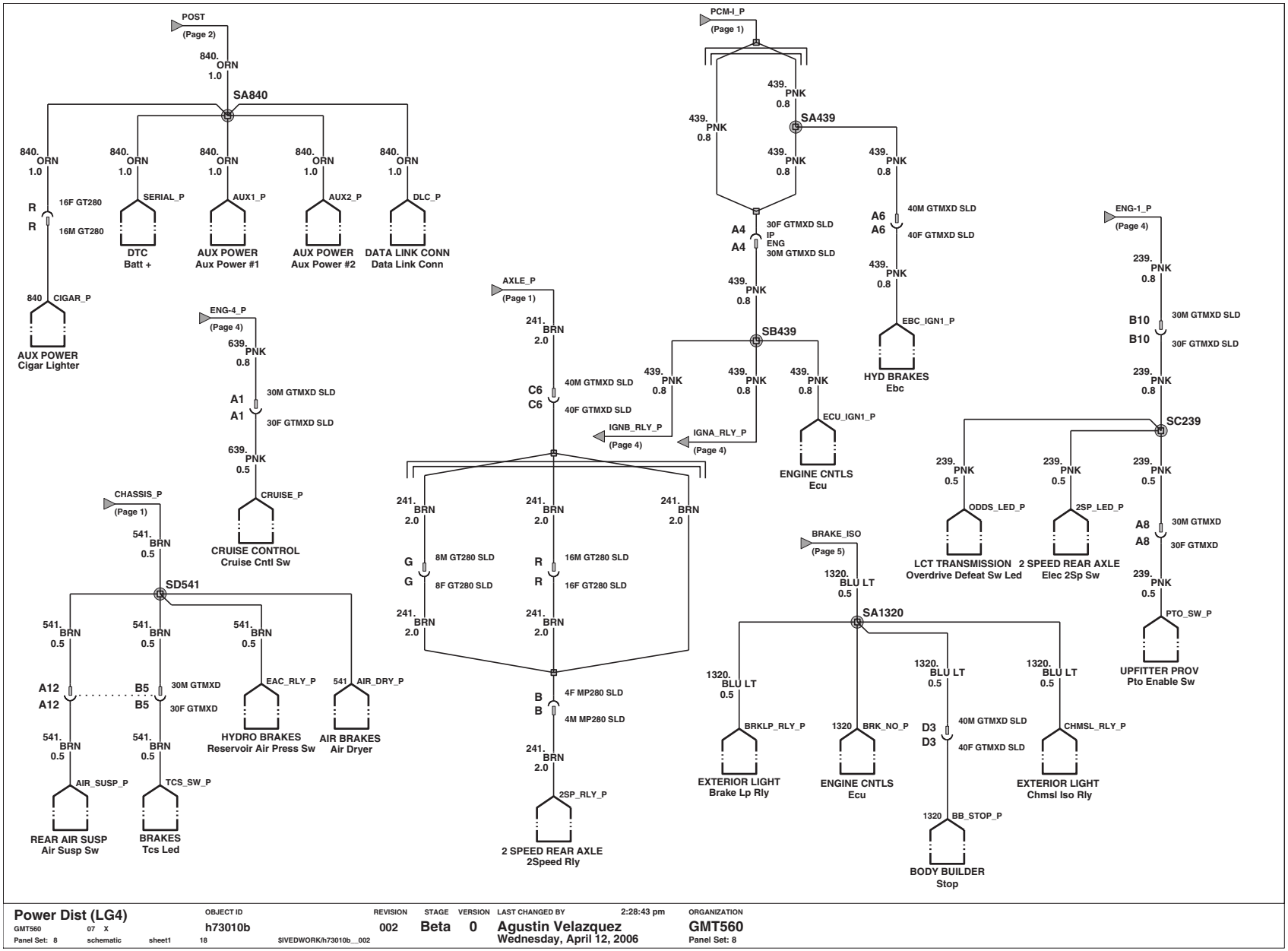


Power Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010b	002	Beta	0	Agustin Velazquez	2:28:43 pm	GMT560
Panel Set: 6 schematic sheet1 18	$IVEDWORK/h73010b__002				Wednesday, April 12, 2006		Panel Set: 6

Power Distribution - (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

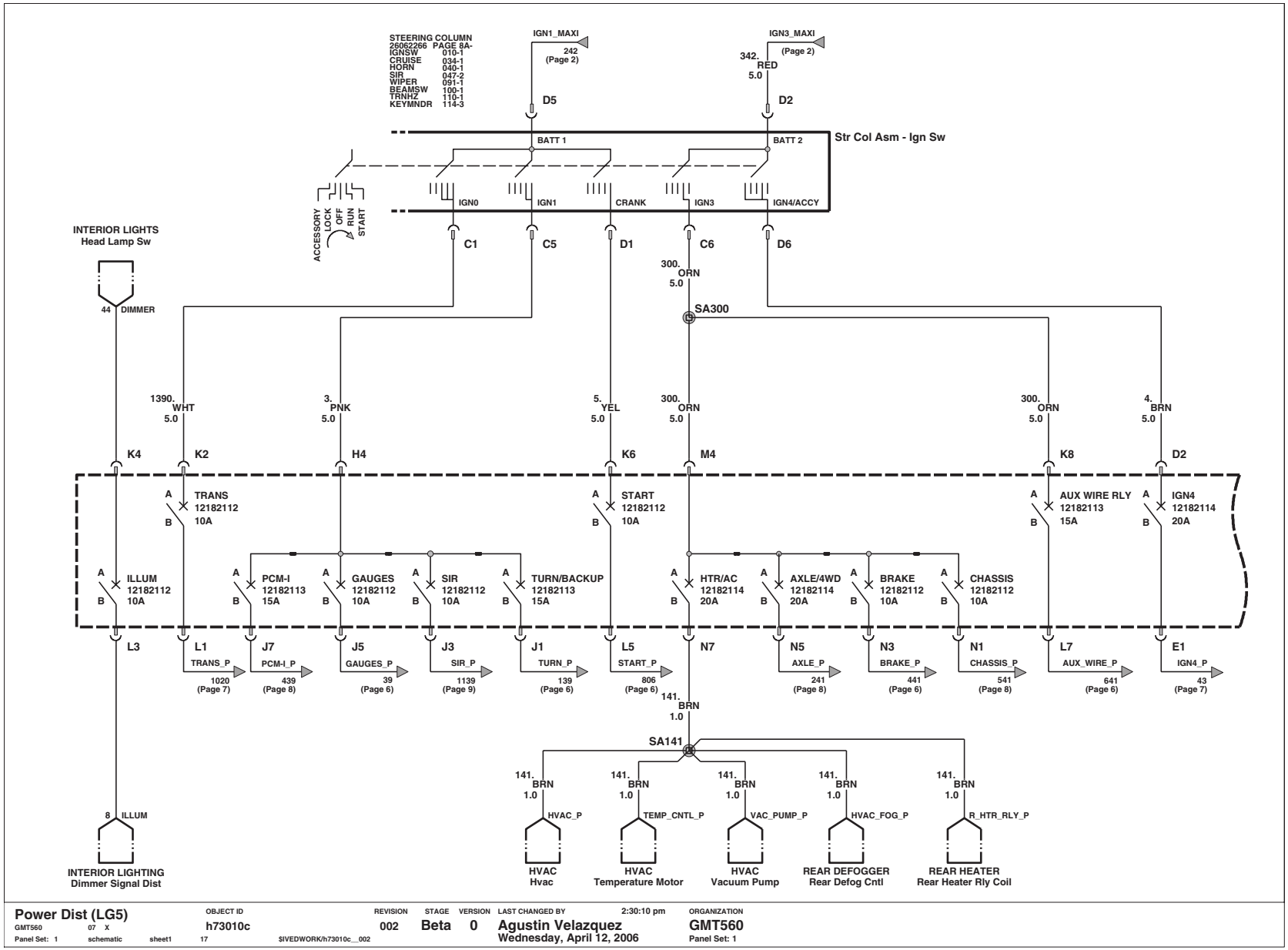


Power Distribution - (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

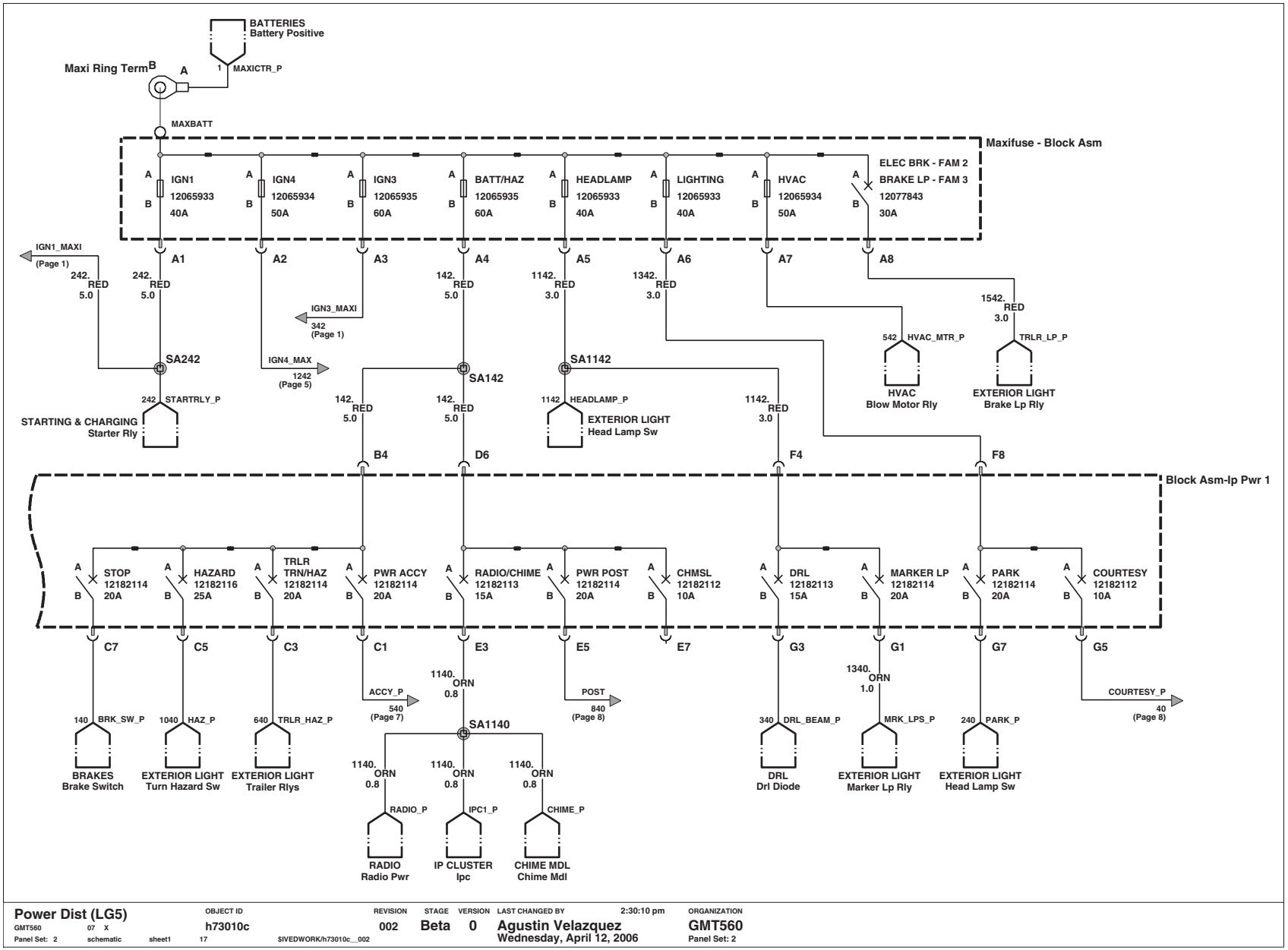


Power Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010b	002	Beta	0	Agustin Velazquez	2:28:43 pm	GMT560
Panel Set: 8 schematic sheet1 18	$IVEDWORK/h73010b__002				Wednesday, April 12, 2006		Panel Set: 8

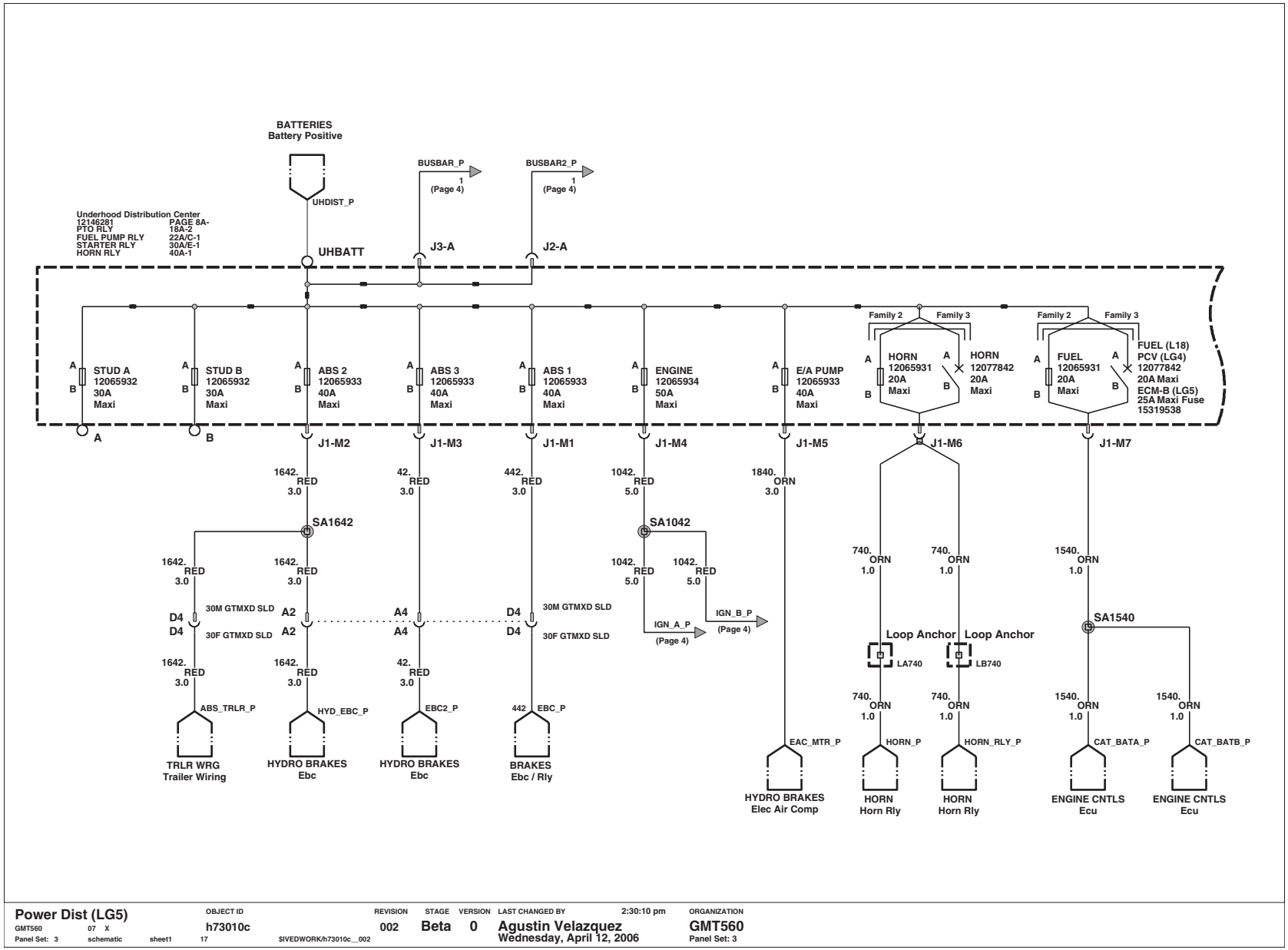
Power Distribution - (LG5) 7.2L L6 Caterpillar® C7 - Diesel



Power Distribution - (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

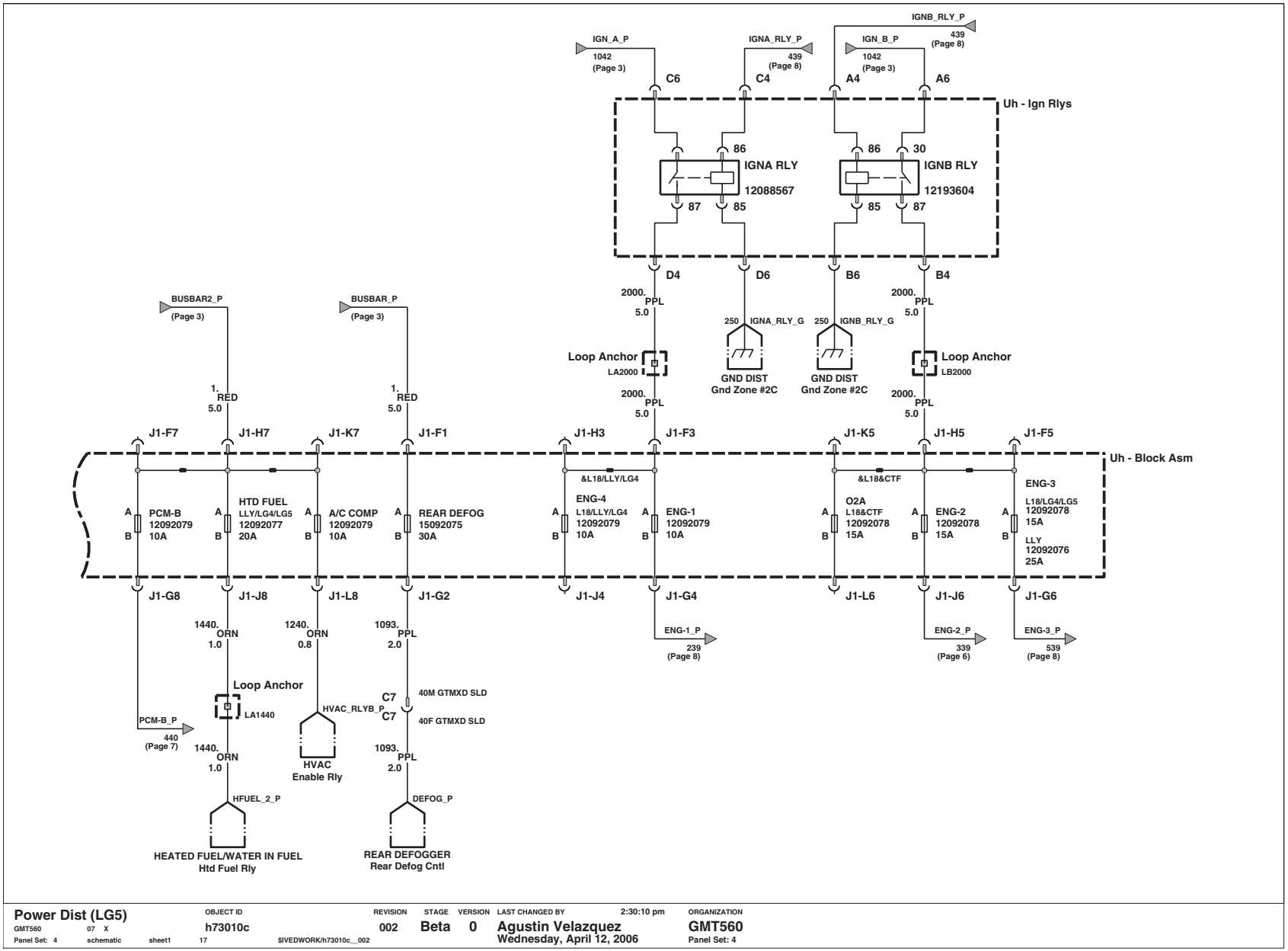


Power Distribution - (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



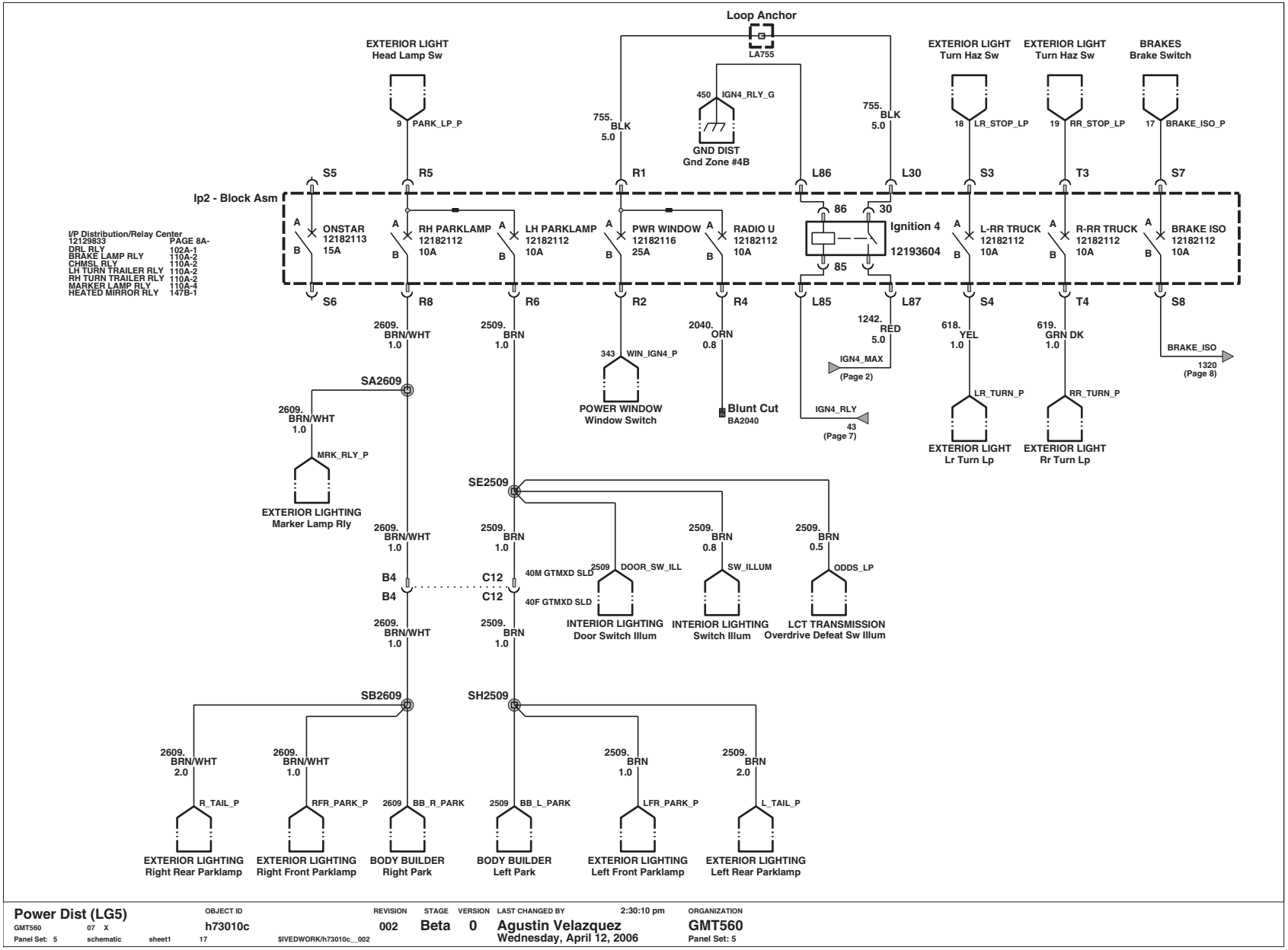
Power Dist (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010c	002	Beta	0	Agustin Velazquez	2:30:10 pm	GMT560
Panel Set: 3 schematic sheet1 17	$IVEDWORK/h73010c__002				Wednesday, April 12, 2006		Panel Set: 3

Power Distribution - (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



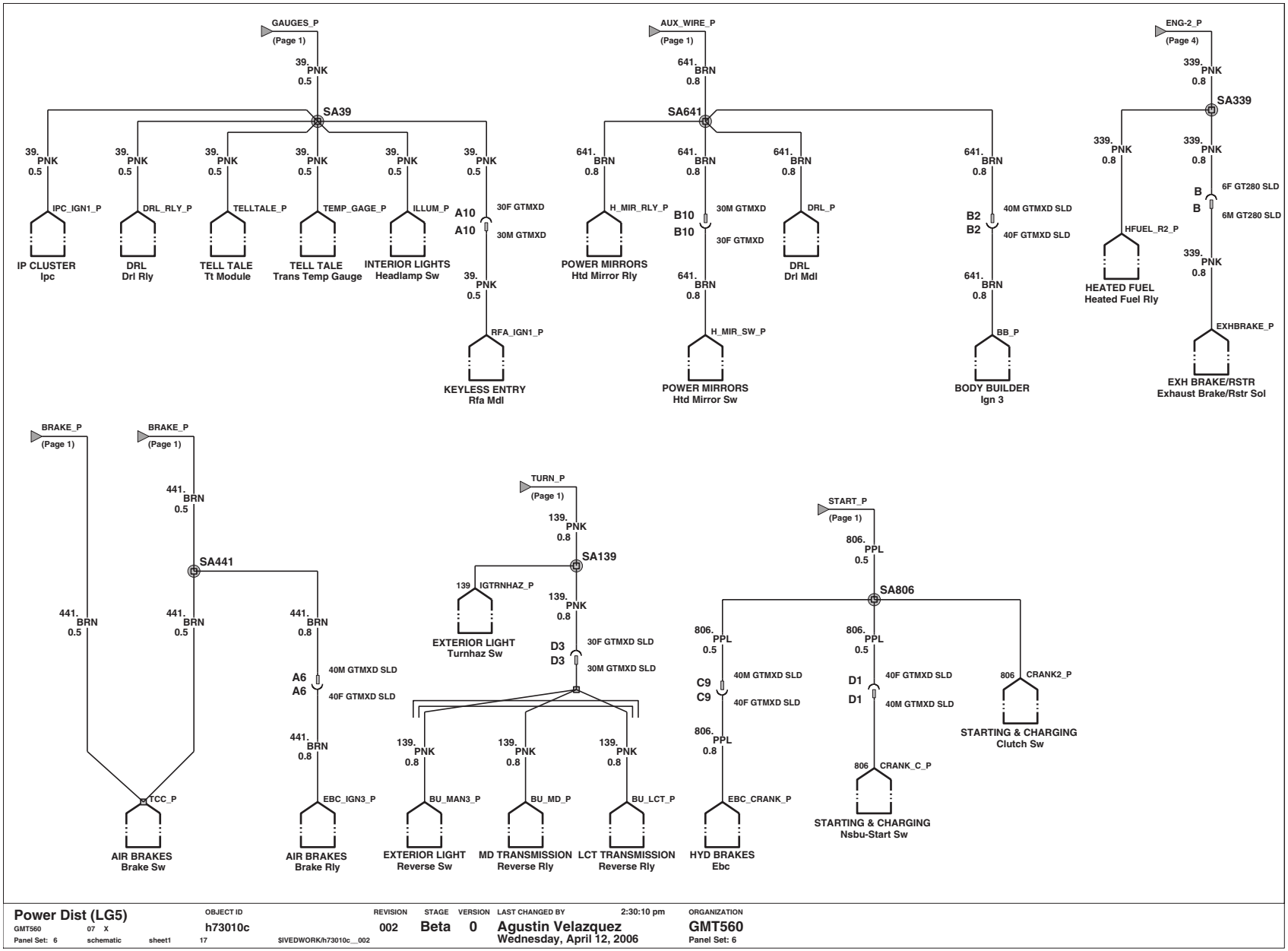
Power Dist (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	2:30:10 pm	ORGANIZATION
GMT560 07 X	h73010c	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 4 schematic sheet1 17	$IVEDWORK/h73010c__002				Wednesday, April 12, 2006		Panel Set: 4

Power Distribution - (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



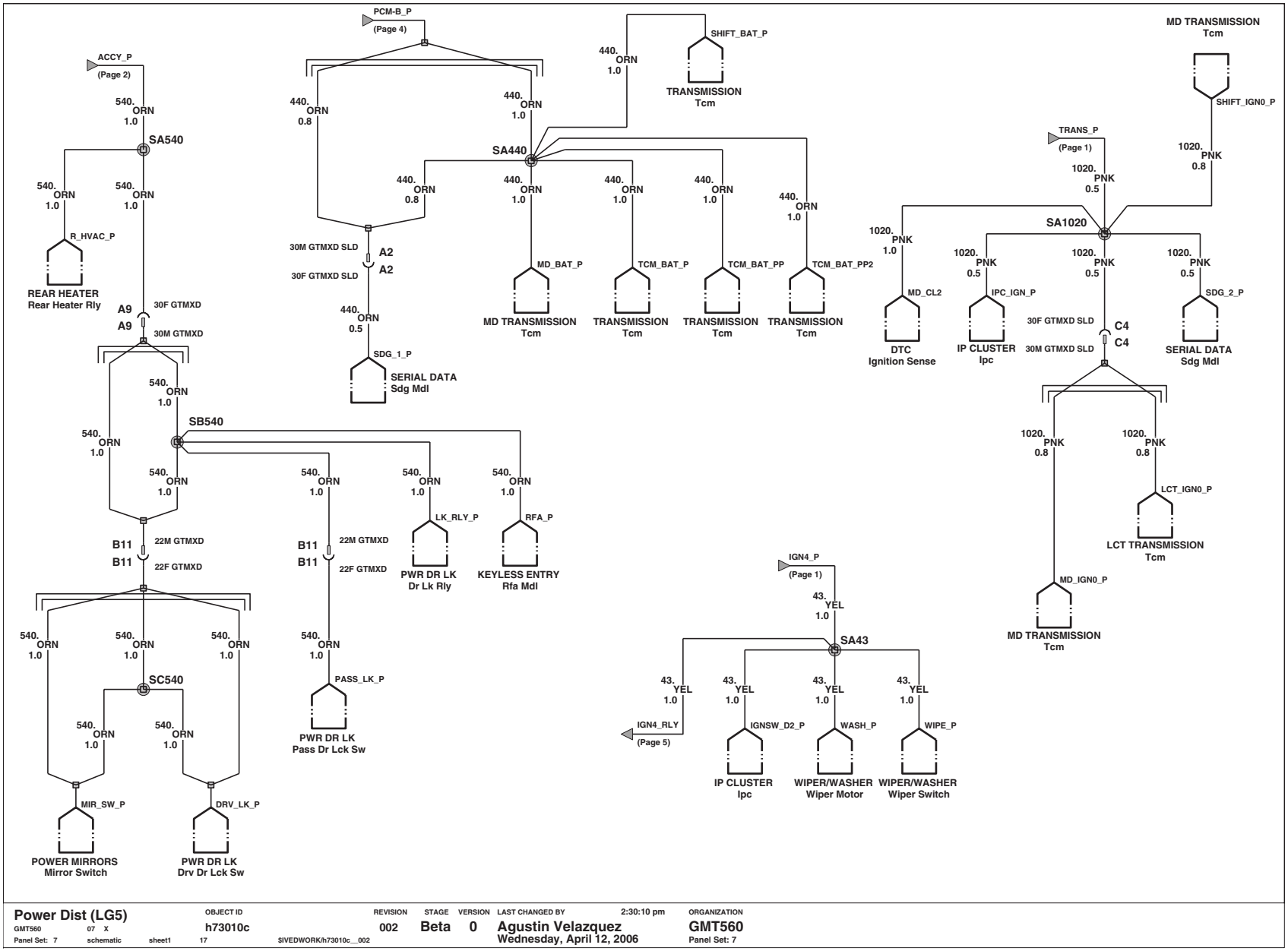
Power Dist (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010c	002	Beta	0	Agustin Velazquez	2:30:10 pm	GMT560
Panel Set: 5 schematic sheet1 17	$IVEDWORK/h73010c__002				Wednesday, April 12, 2006		Panel Set: 5

Power Distribution - (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

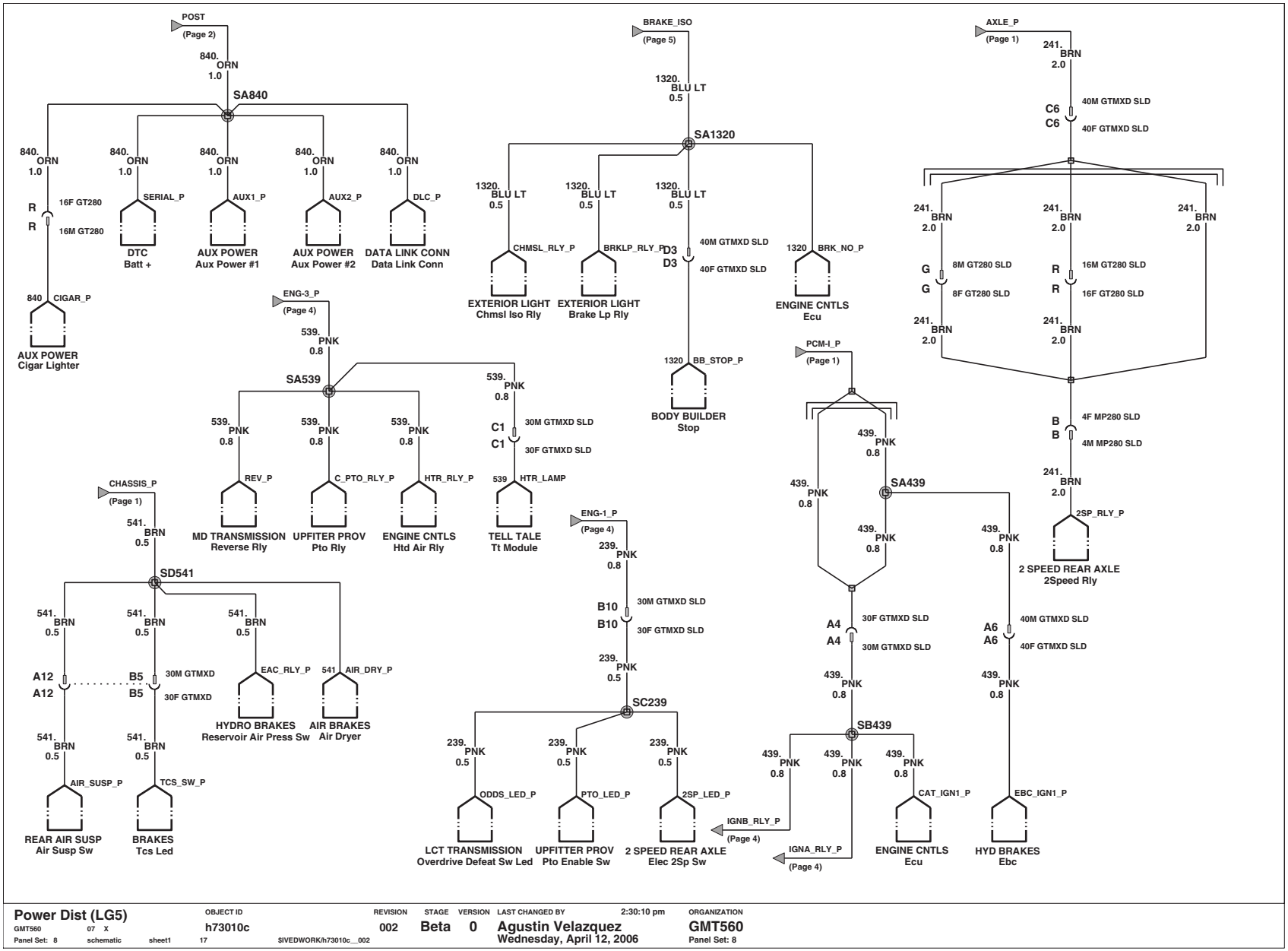


Power Dist (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010c	002	Beta	0	Agustin Velazquez	2:30:10 pm	GMT560
Panel Set: 6 schematic sheet1 17	$IVEDWORK/h73010c__002				Wednesday, April 12, 2006		Panel Set: 6

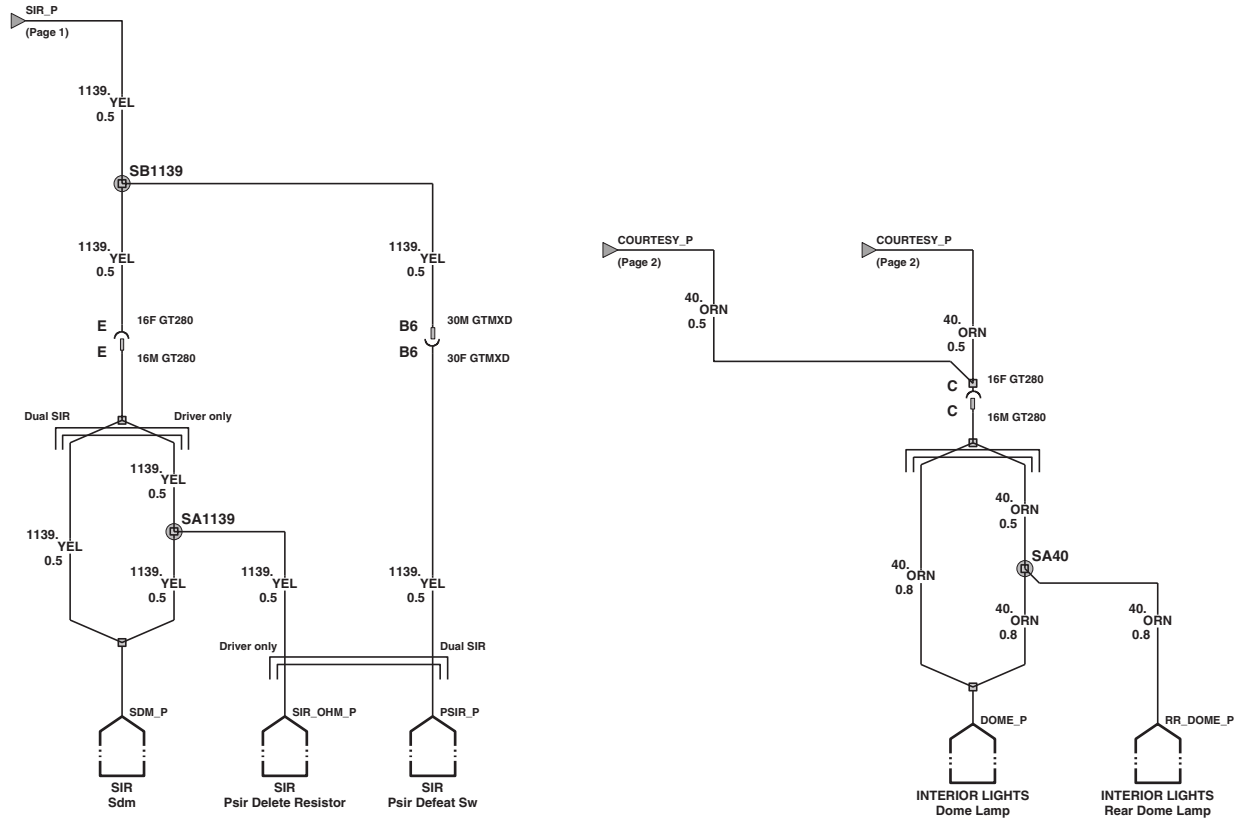
Power Distribution - (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



Power Distribution - (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

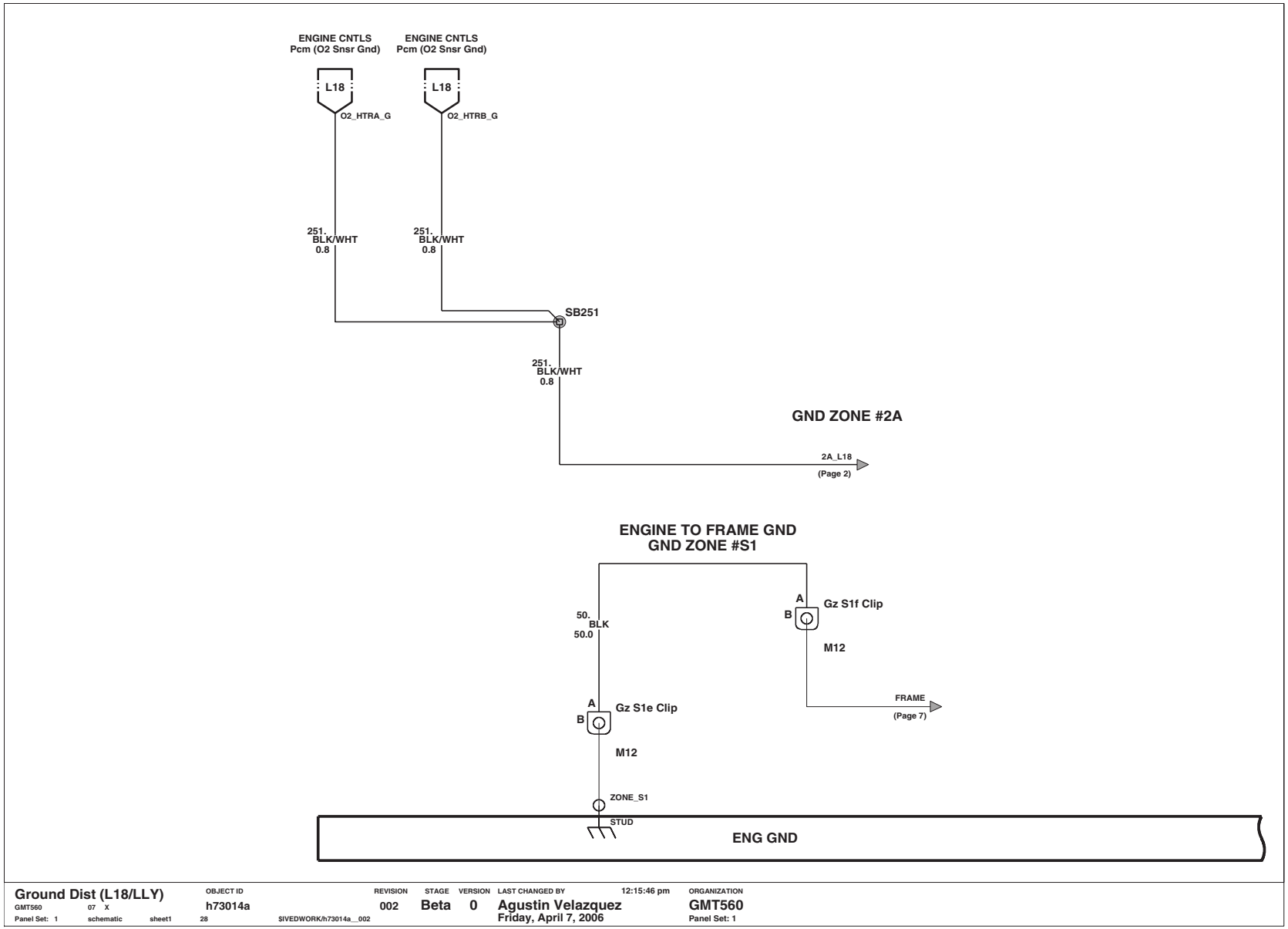


Power Distribution - (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

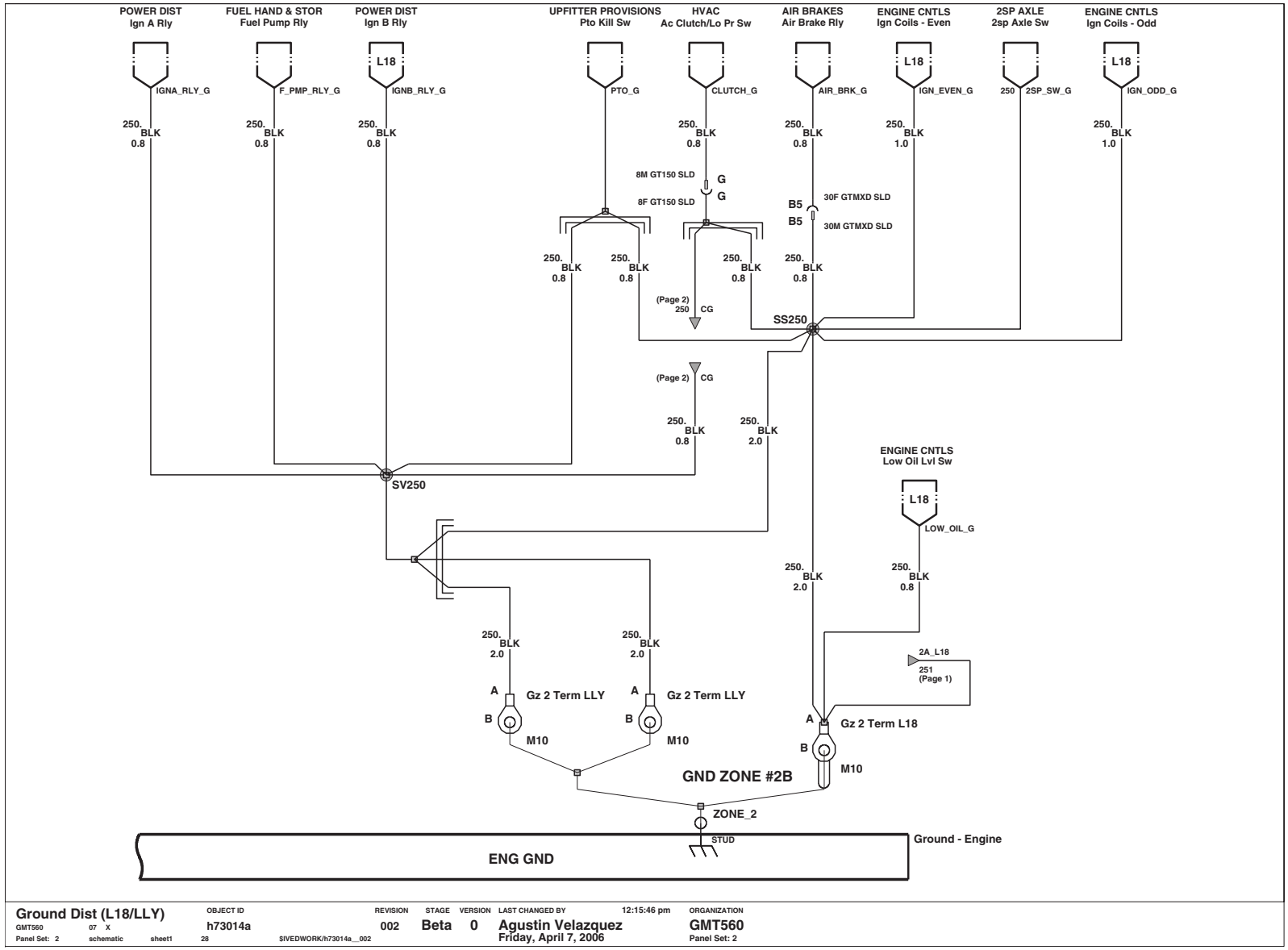


Power Dist (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73010c	002	Beta	0	Agustin Velazquez	2:30:10 pm	GMT560
Panel Set: 9 schematic sheet1 17	$IVEDWORK/h73010c__002				Wednesday, April 12, 2006		Panel Set: 9

Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel

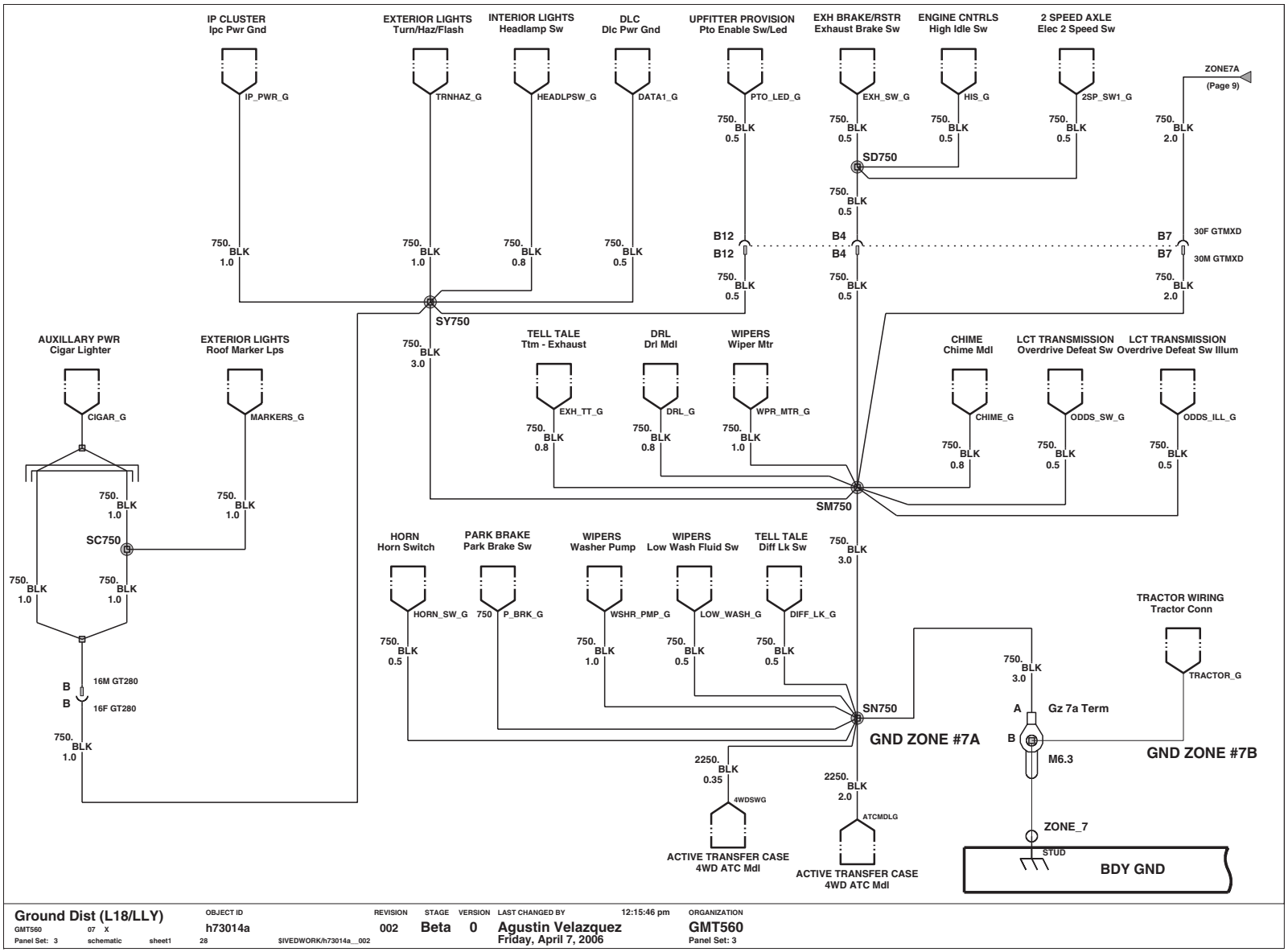


Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

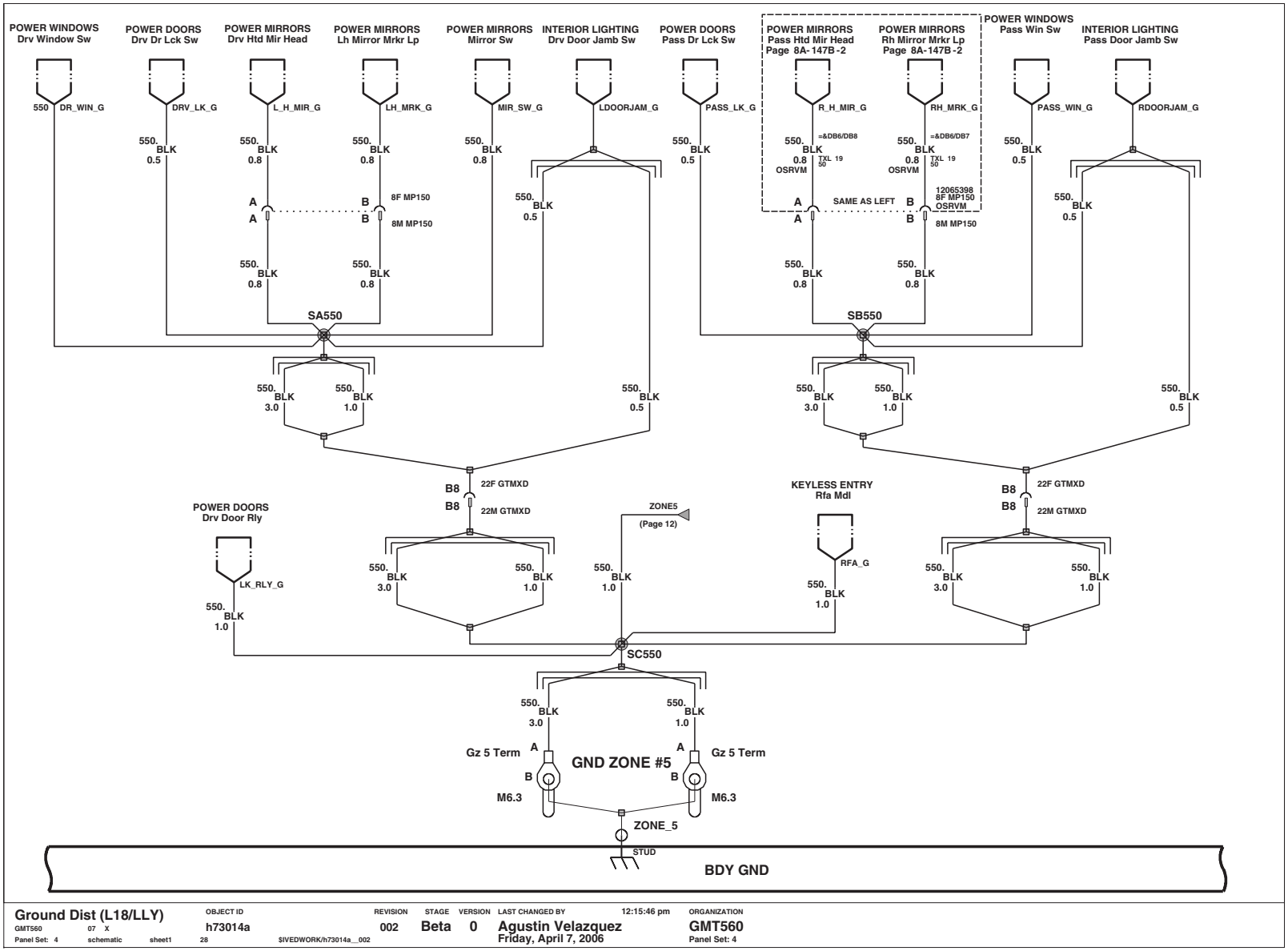


Ground Dist (L18/LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:15:46 pm	ORGANIZATION
GMT560 07 X	h73014a	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 28	$IVEDWORK/h73014a__002				Friday, April 7, 2006		Panel Set: 2

Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

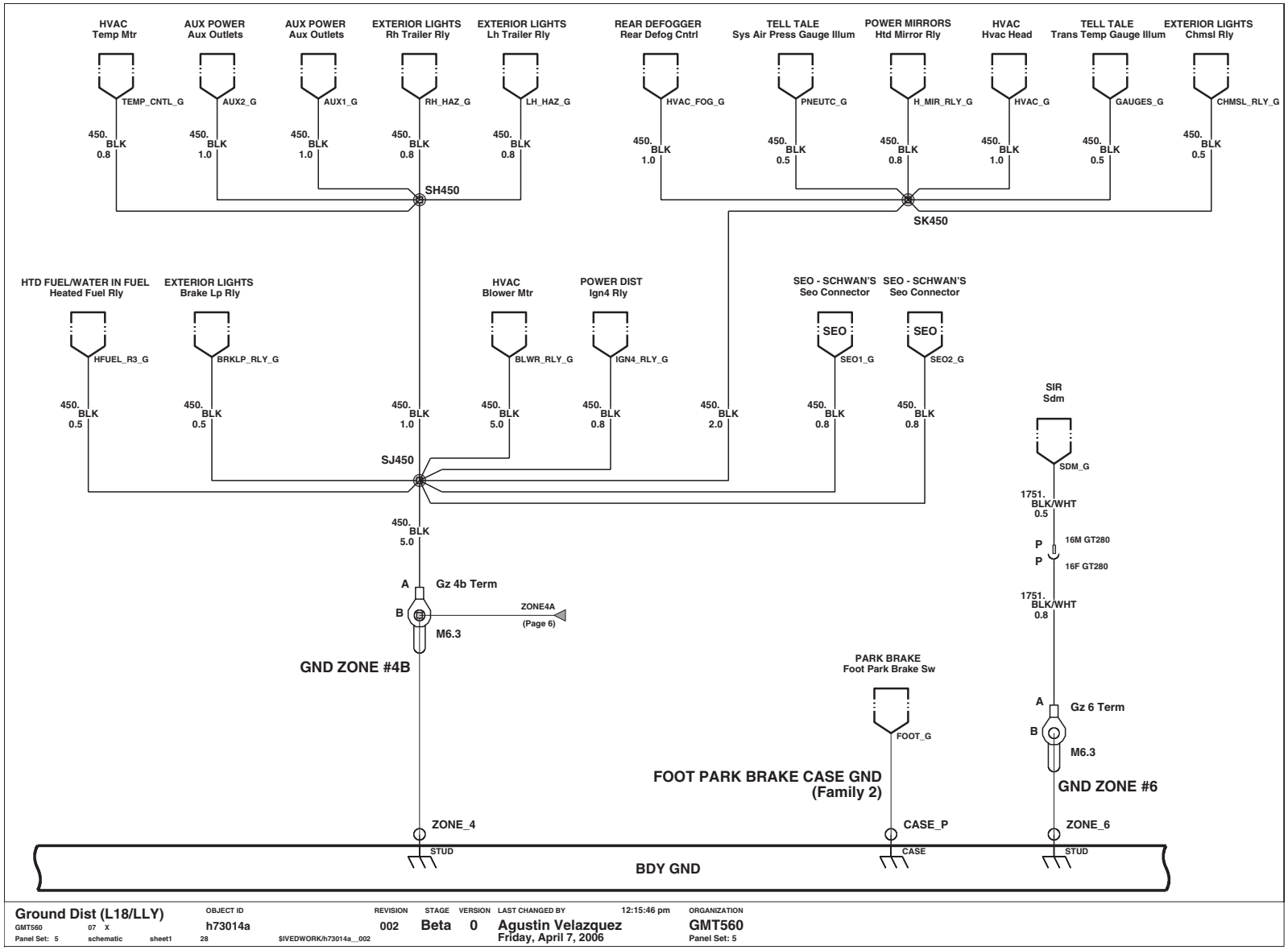


Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



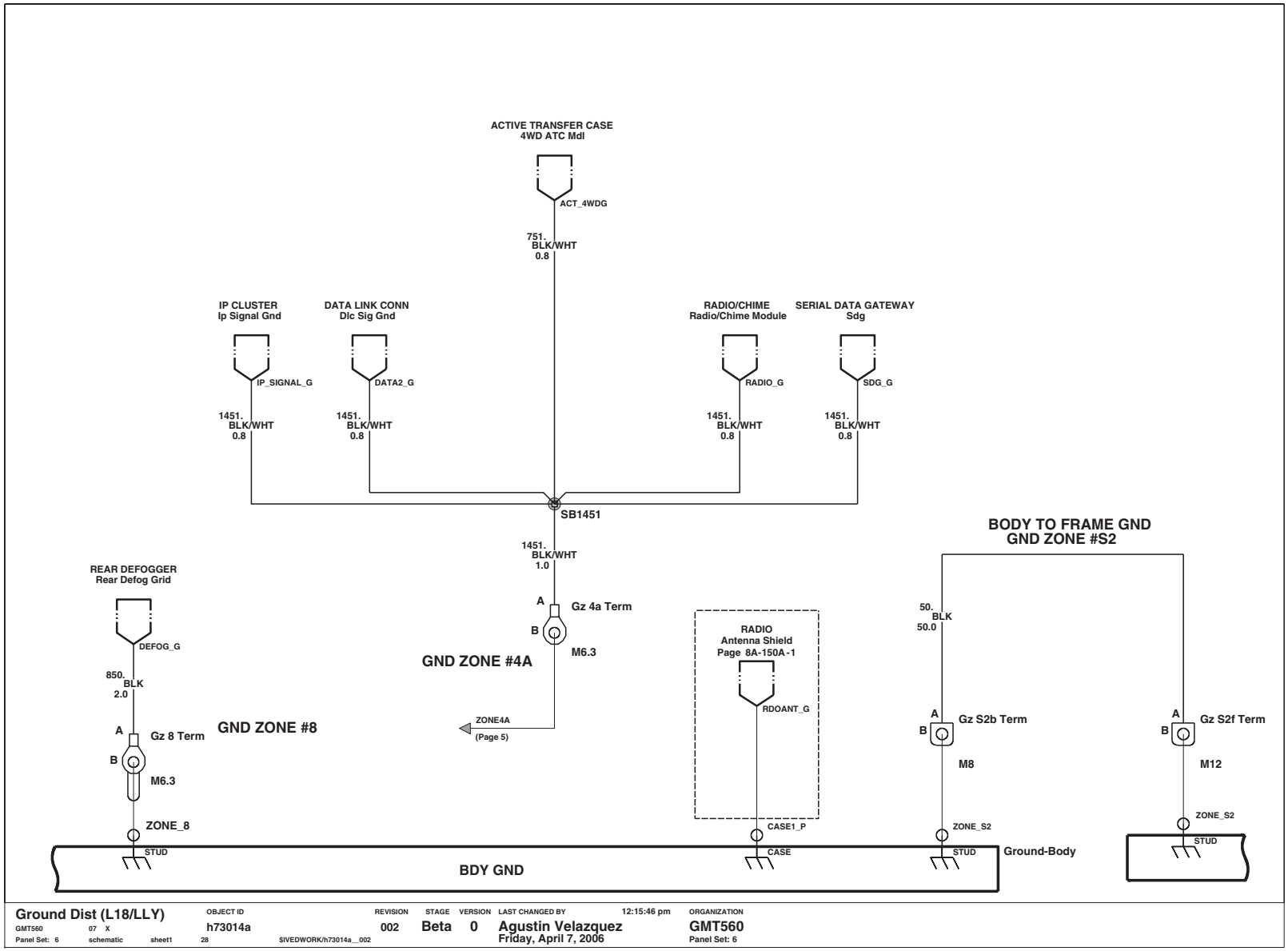
Ground Dist (L18/LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73014a	002	Beta	0	Agustin Velazquez	12:15:46 pm	GMT560
Panel Set: 4 schematic sheet1 28	$IVEDWORK/h73014a__002				Friday, April 7, 2006		Panel Set: 4

Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

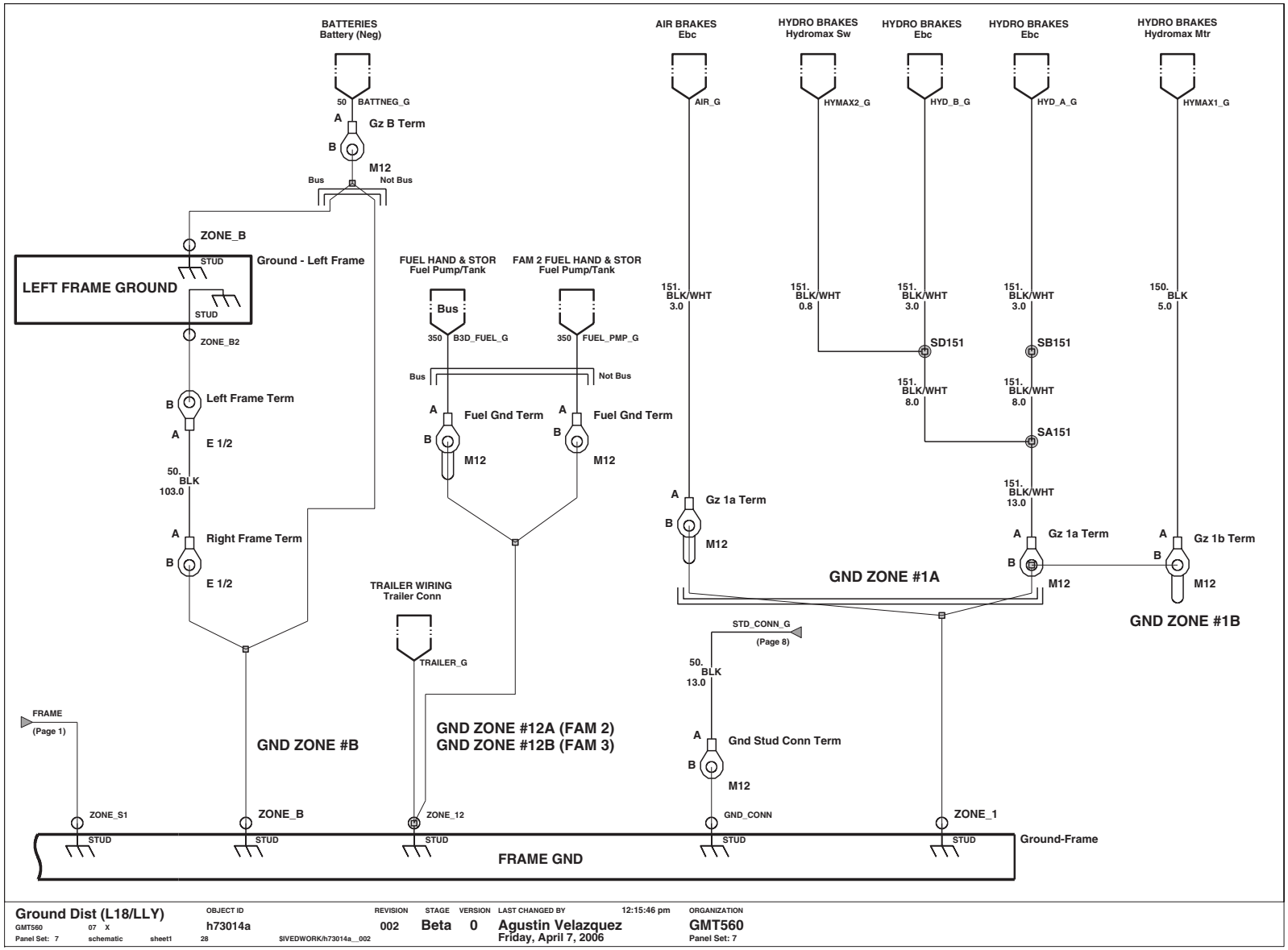


Ground Dist (L18/LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:15:46 pm	ORGANIZATION
GMT560 07 X	h73014a	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 5 schematic sheet1 28	$IVEDWORK/h73014a__002				Friday, April 7, 2006		Panel Set: 5

Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

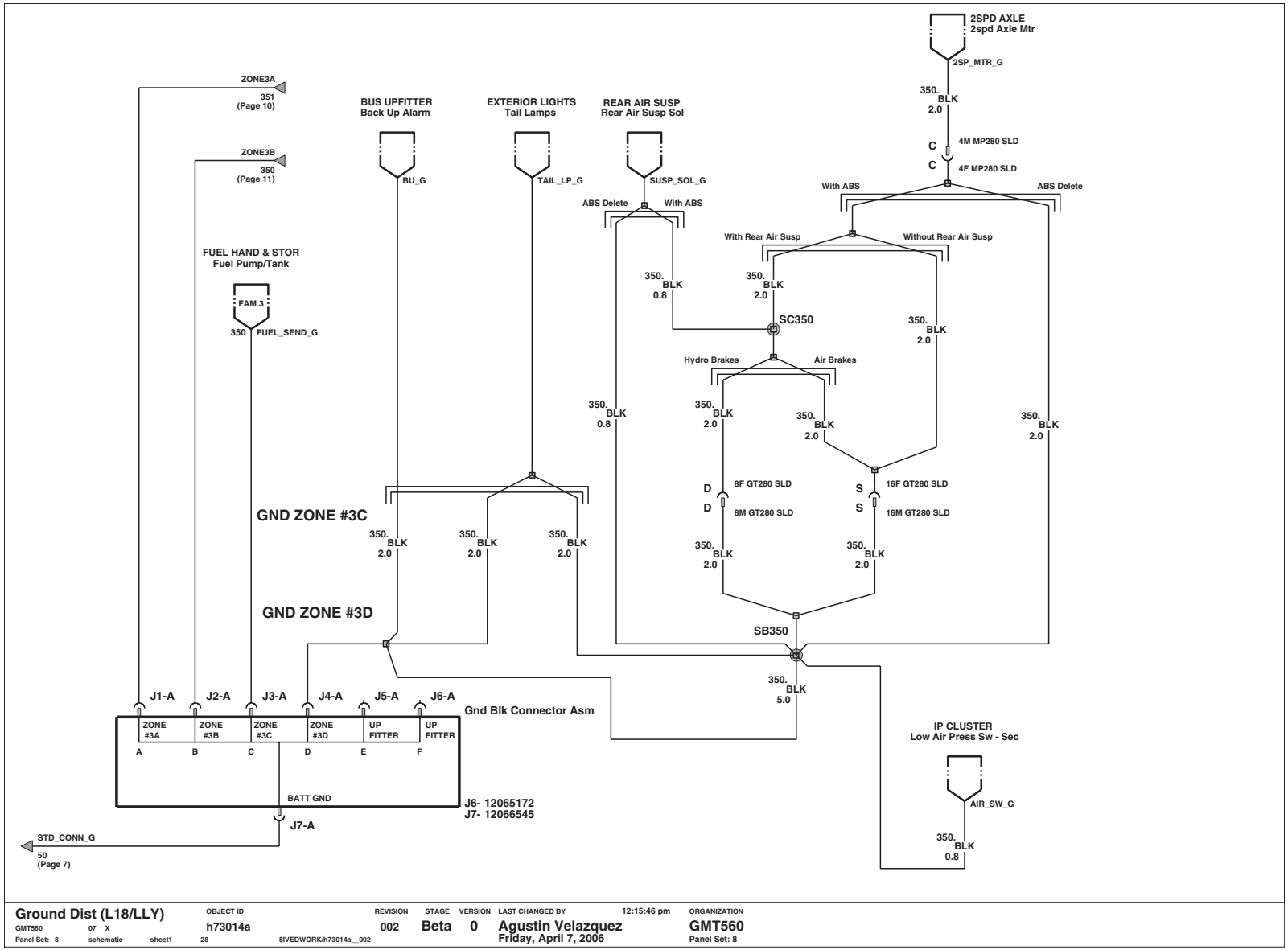


Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



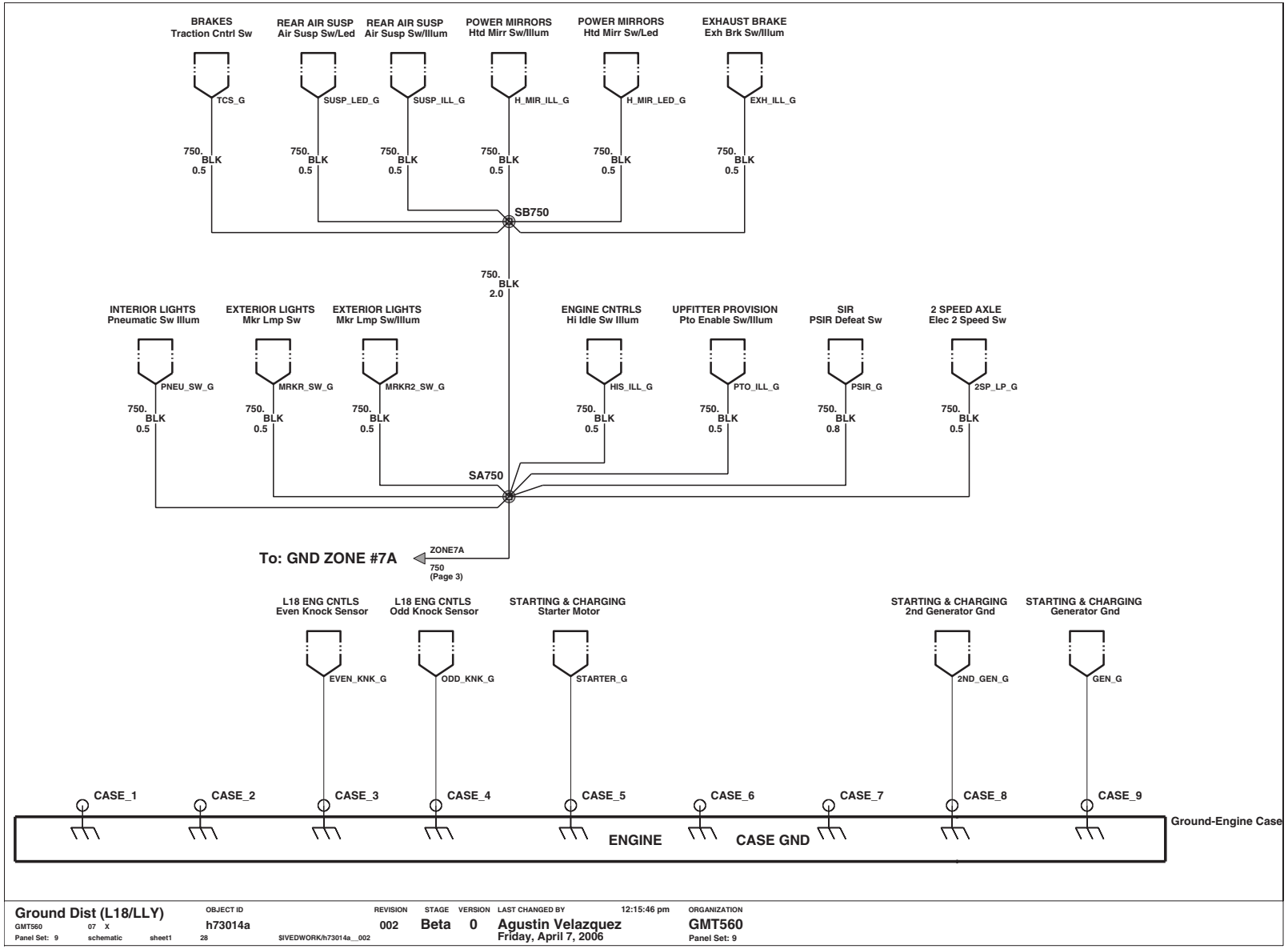
Ground Dist (L18/LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:15:46 pm	ORGANIZATION
GMT560 07 X	h73014a	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 7 schematic sheet1 28	SIVEDWORK/h73014a__002				Friday, April 7, 2006		Panel Set: 7

Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

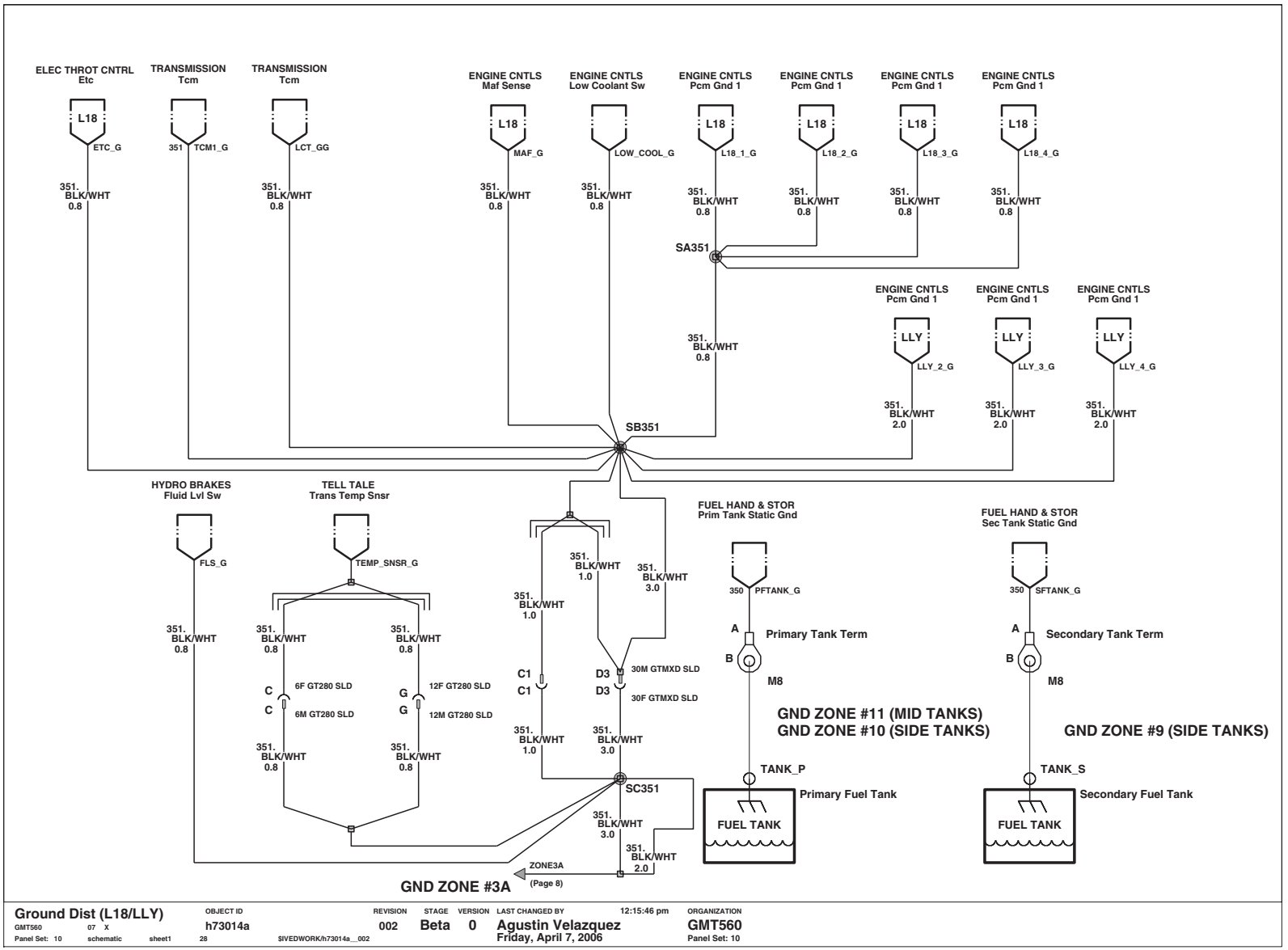


Ground Dist (L18/LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:15:46 pm	ORGANIZATION
GMT560 07 X	h73014a	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 8 schematic sheet1 28	$IVEDWORK/h73014a__002				Friday, April 7, 2006		Panel Set: 8

Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

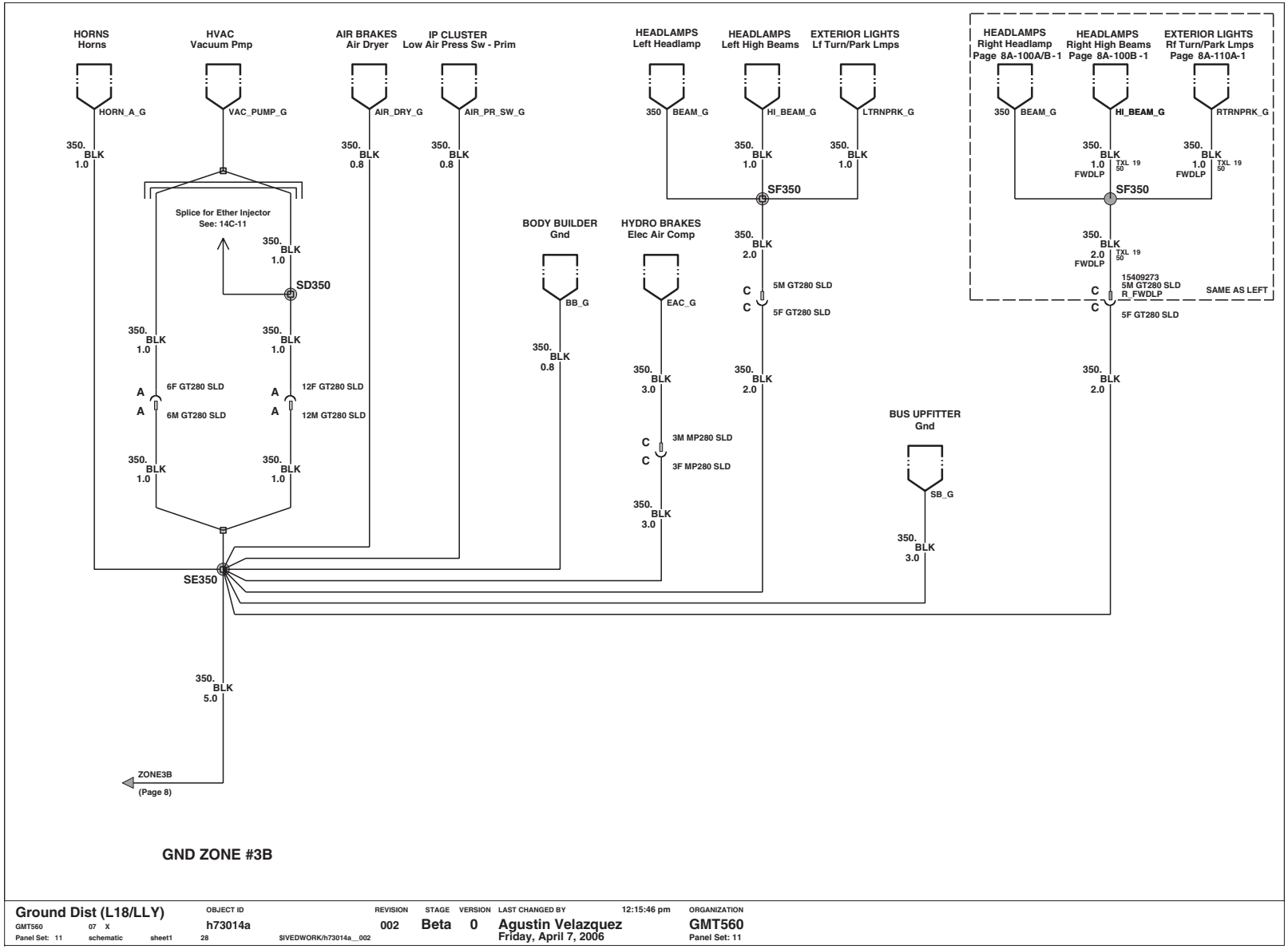


Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



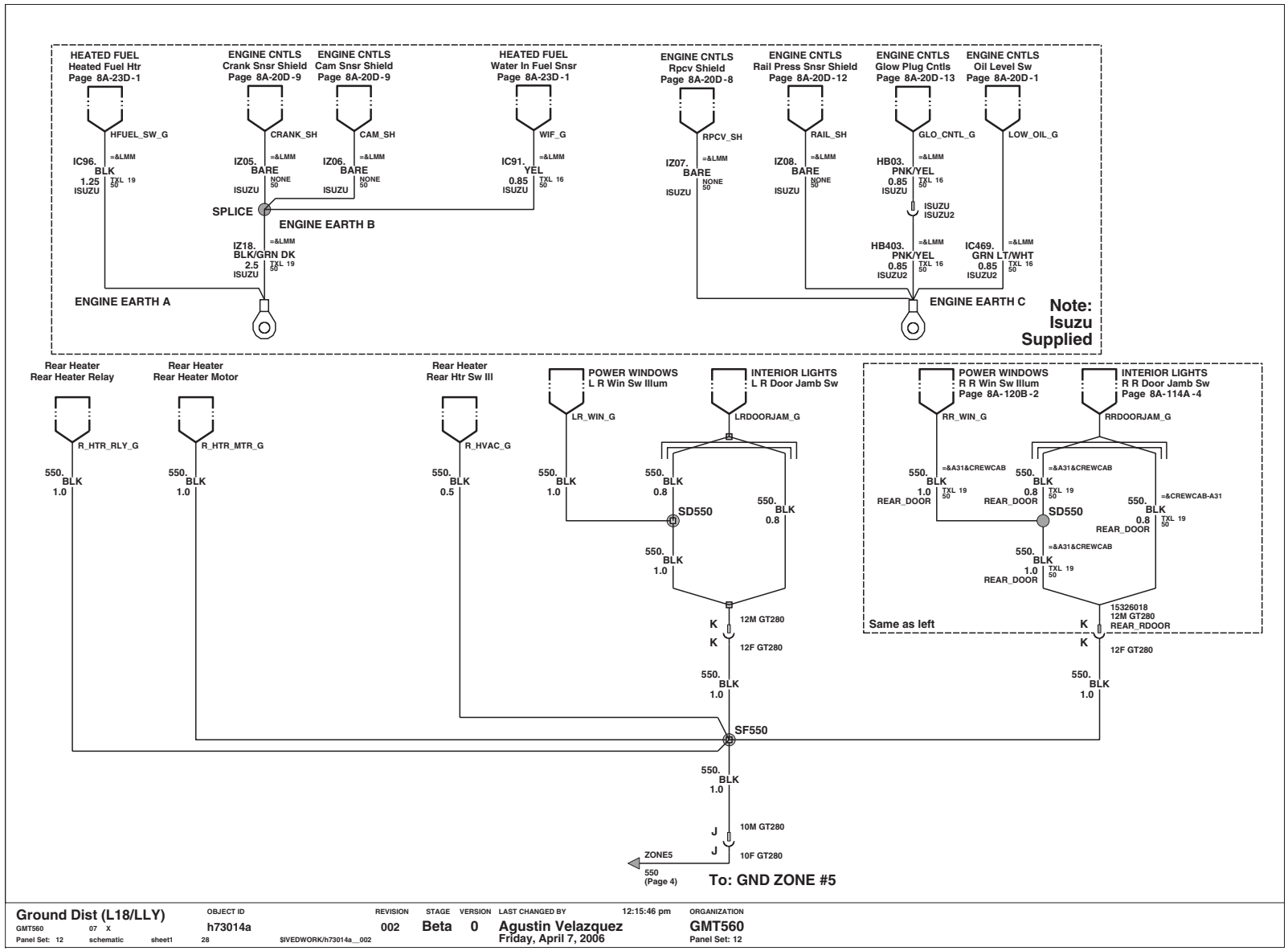
Ground Dist (L18/LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73014a	002	Beta	0	Agustin Velazquez	12:15:46 pm	GMT560
Panel Set: 10 schematic sheet1 28	$IVEDWORK/h73014a__002				Friday, April 7, 2006		Panel Set: 10

Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



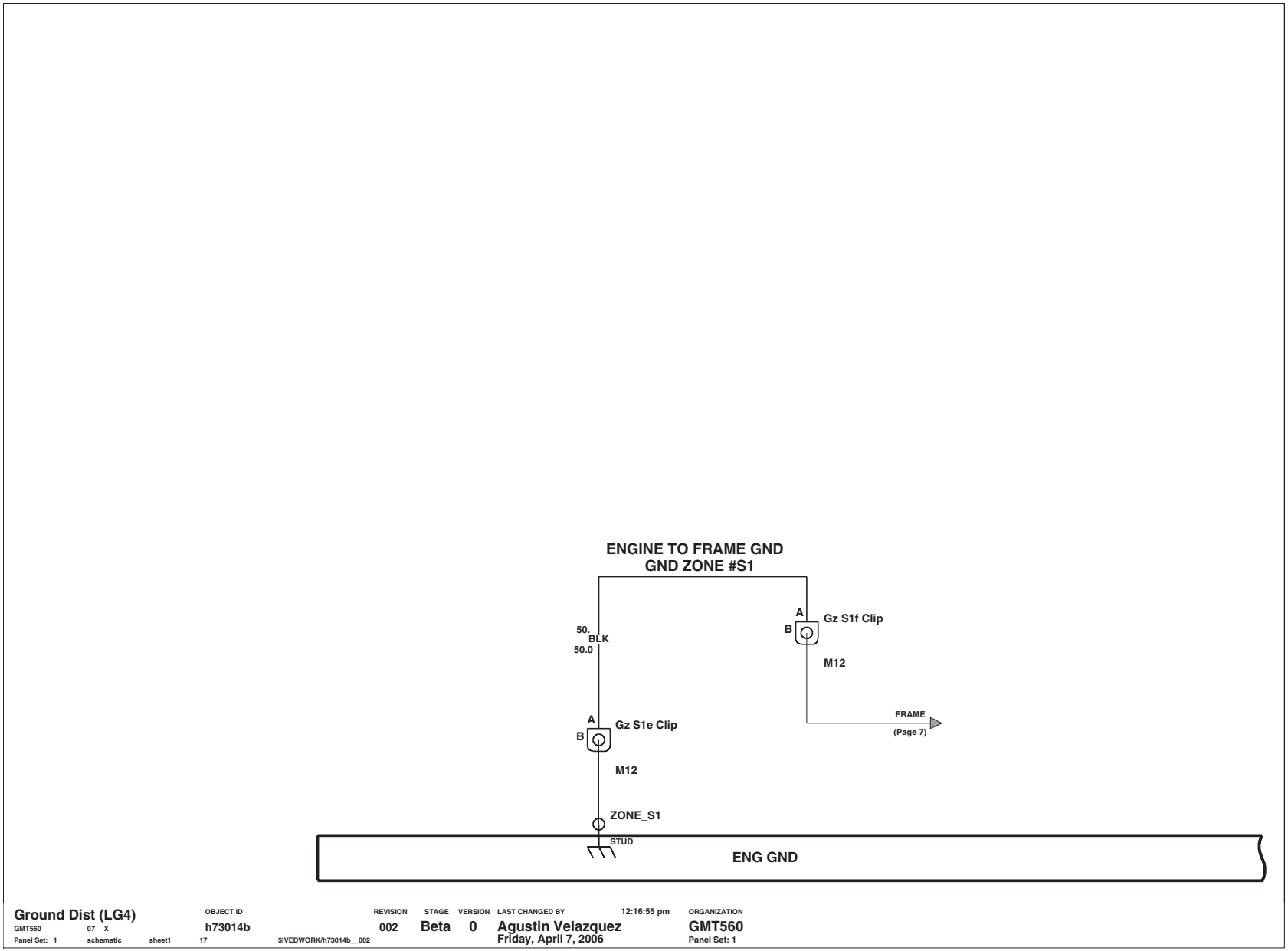
Ground Dist (L18/LLY) | OBJECT ID h73014a | REVISION 002 | STAGE Beta | VERSION 0 | LAST CHANGED BY Agustin Velazquez | 12:15:46 pm | Friday, April 7, 2006 | ORGANIZATION GMT560 | Panel Set: 11
GMT560 07 X | Panel Set: 11 schematic sheet1 28 $IVEDWORK/h73014a__002

Ground Distribution - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

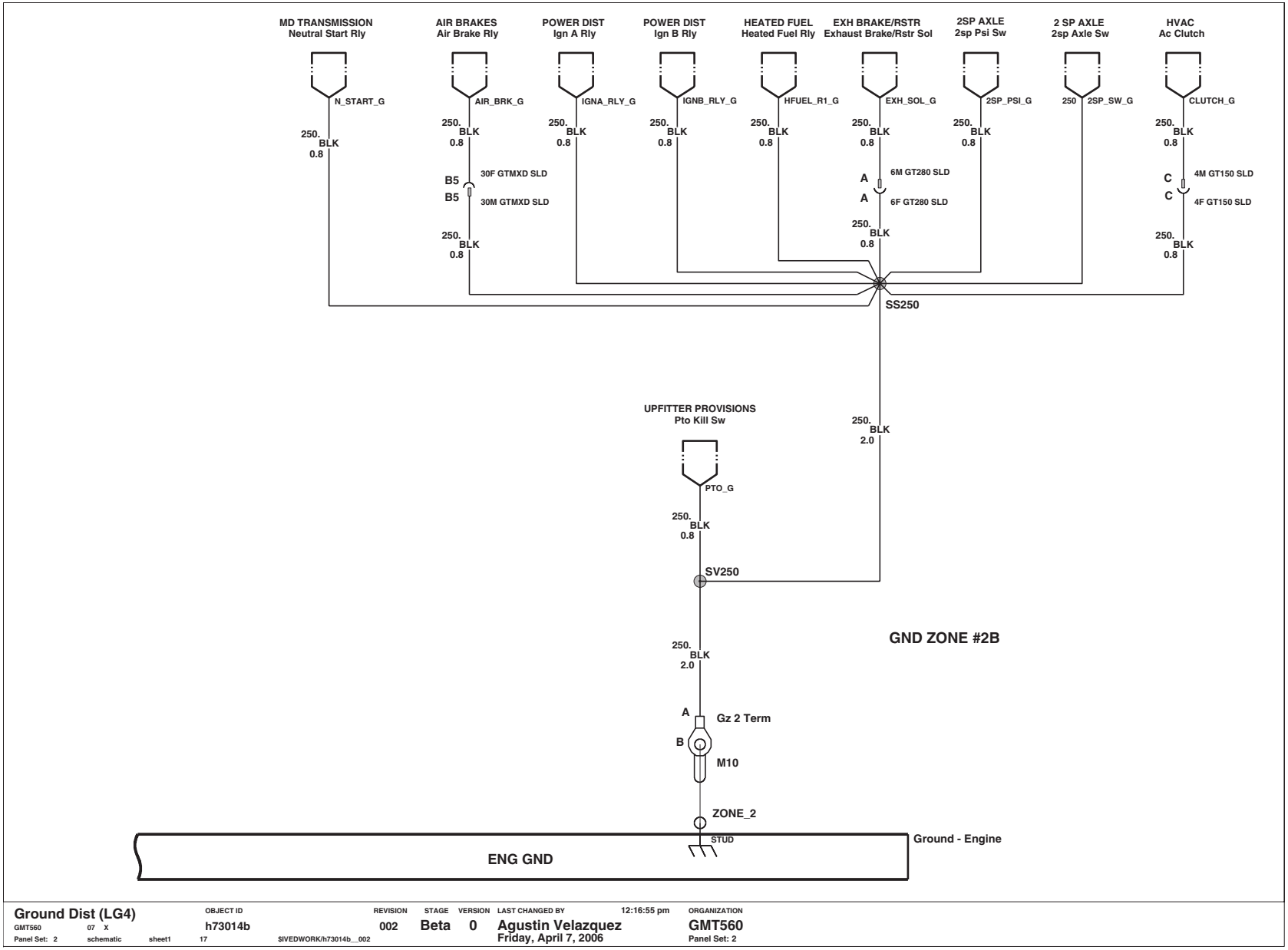


Ground Dist (L18/LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:15:46 pm	ORGANIZATION
GMT560 07 X	h73014a	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 12 schematic sheet1 28	SIVEDWORK/h73014a__002				Friday, April 7, 2006		Panel Set: 12

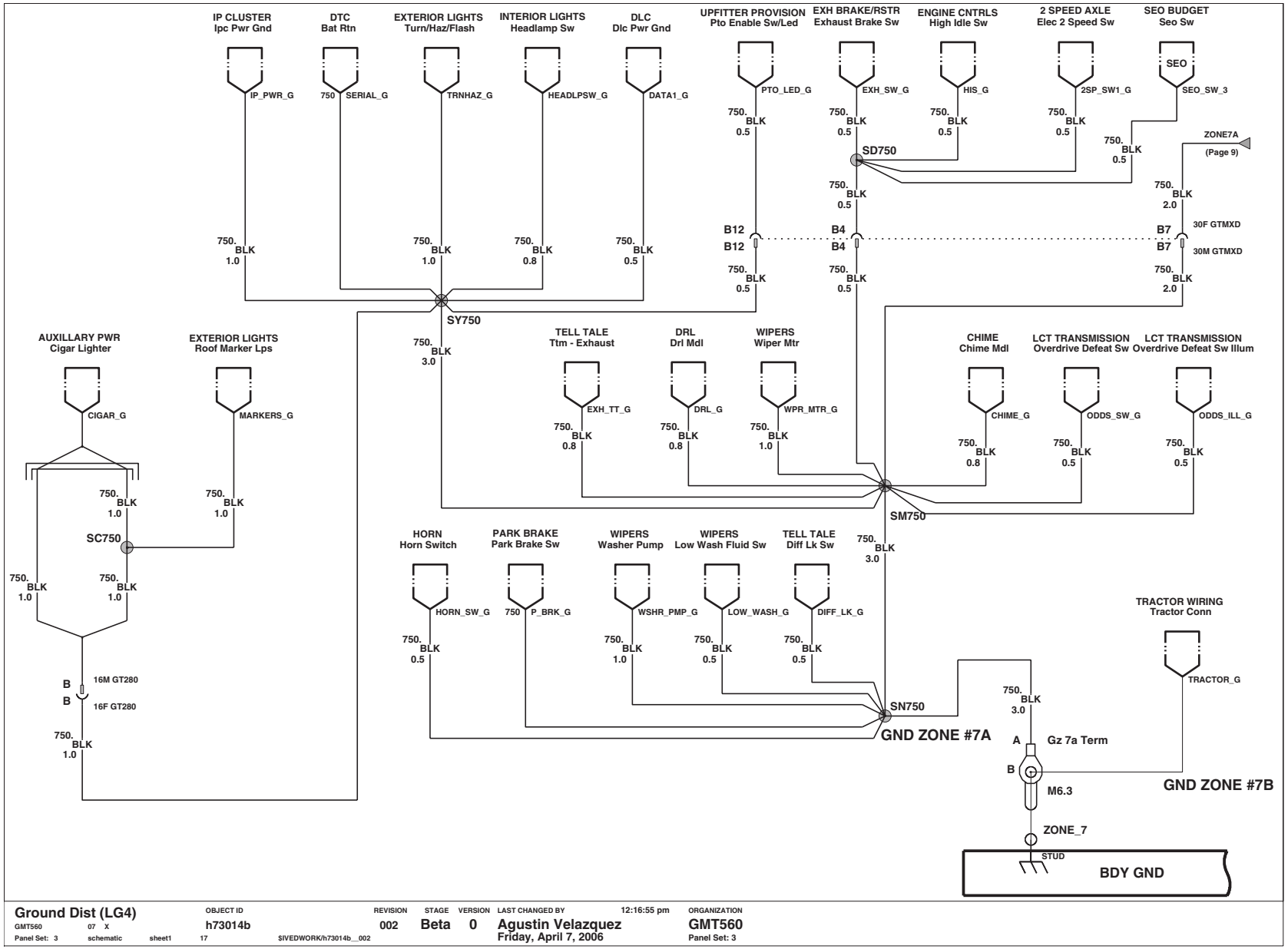
Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel



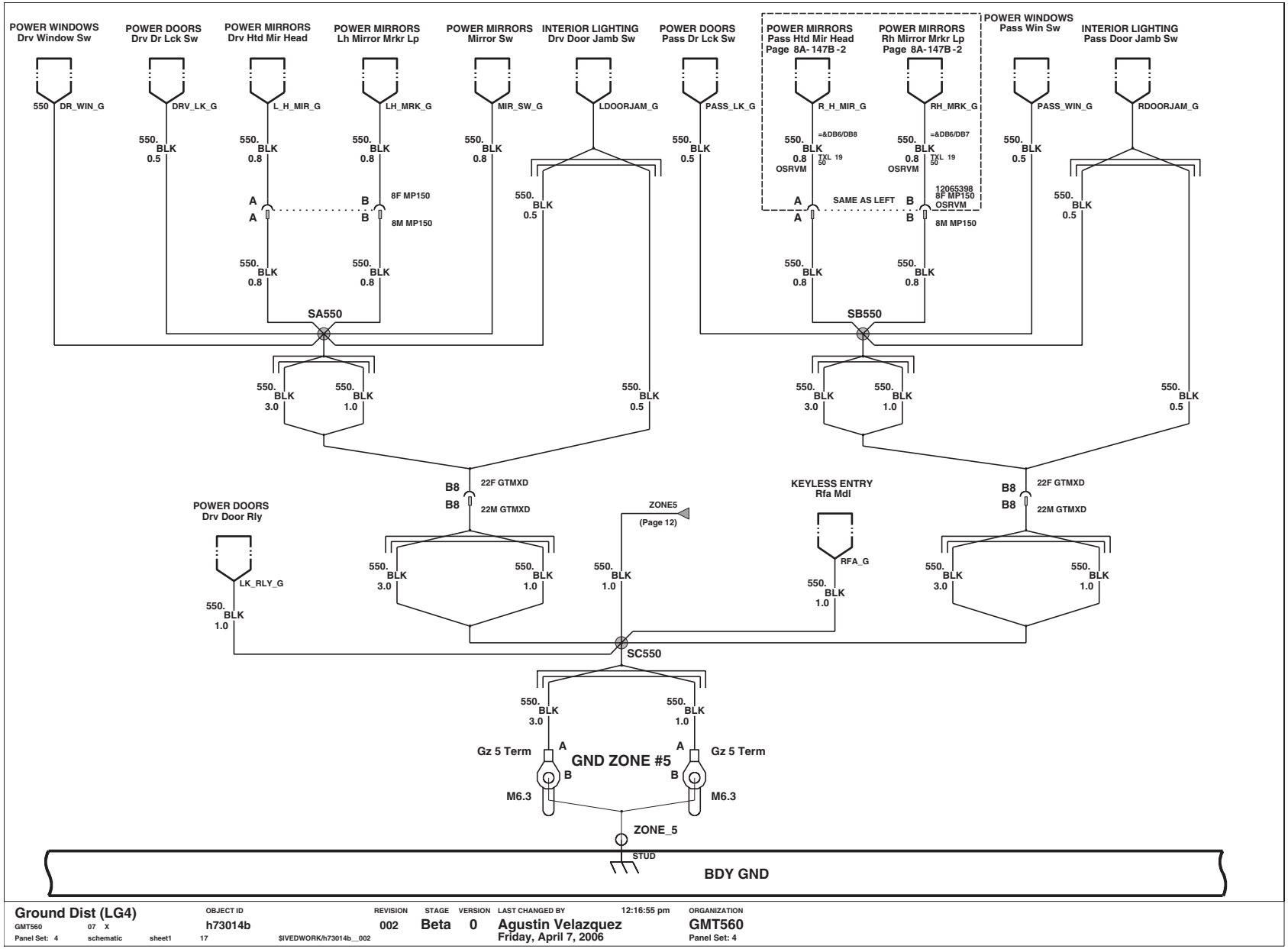
Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

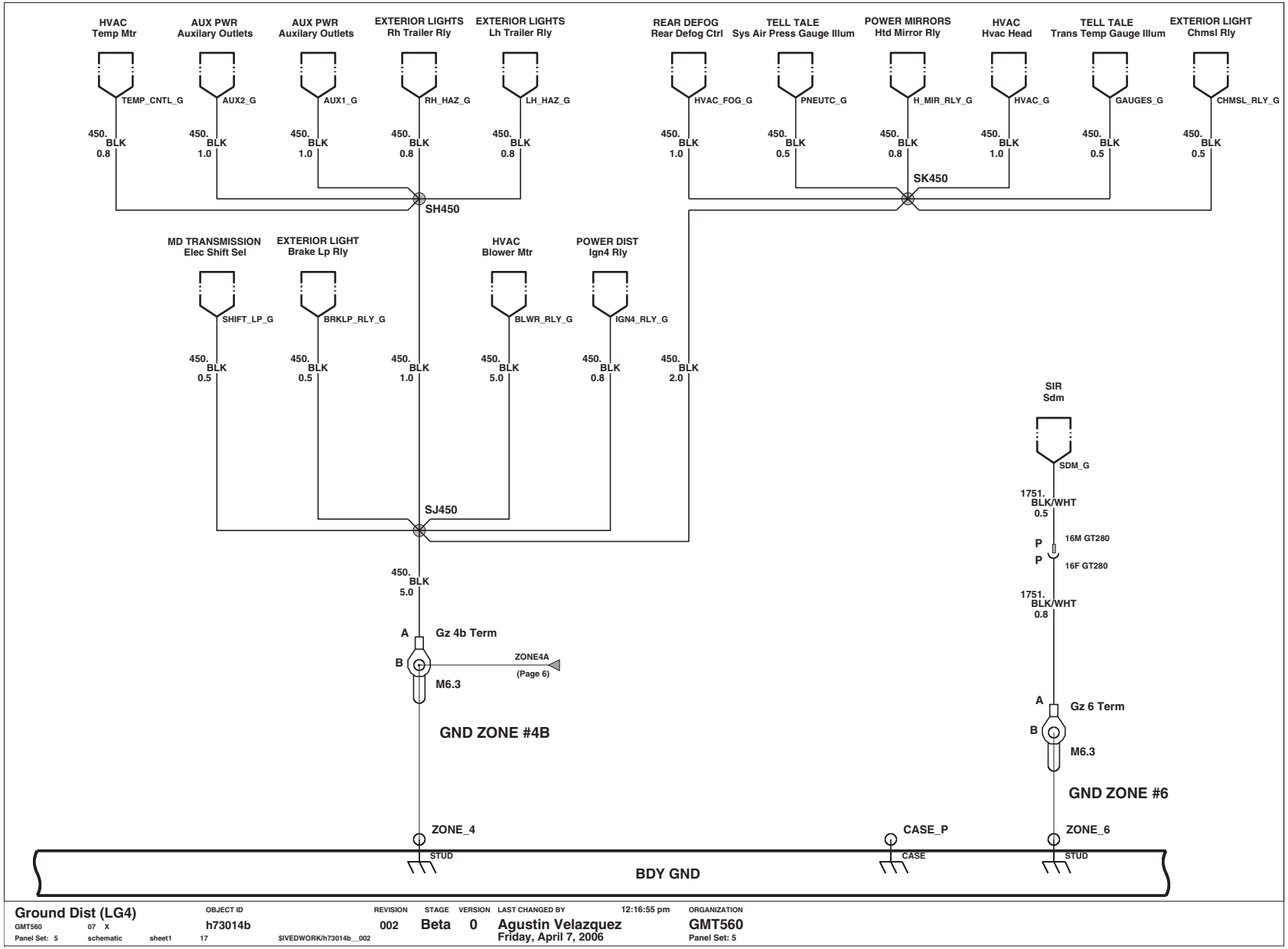


Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

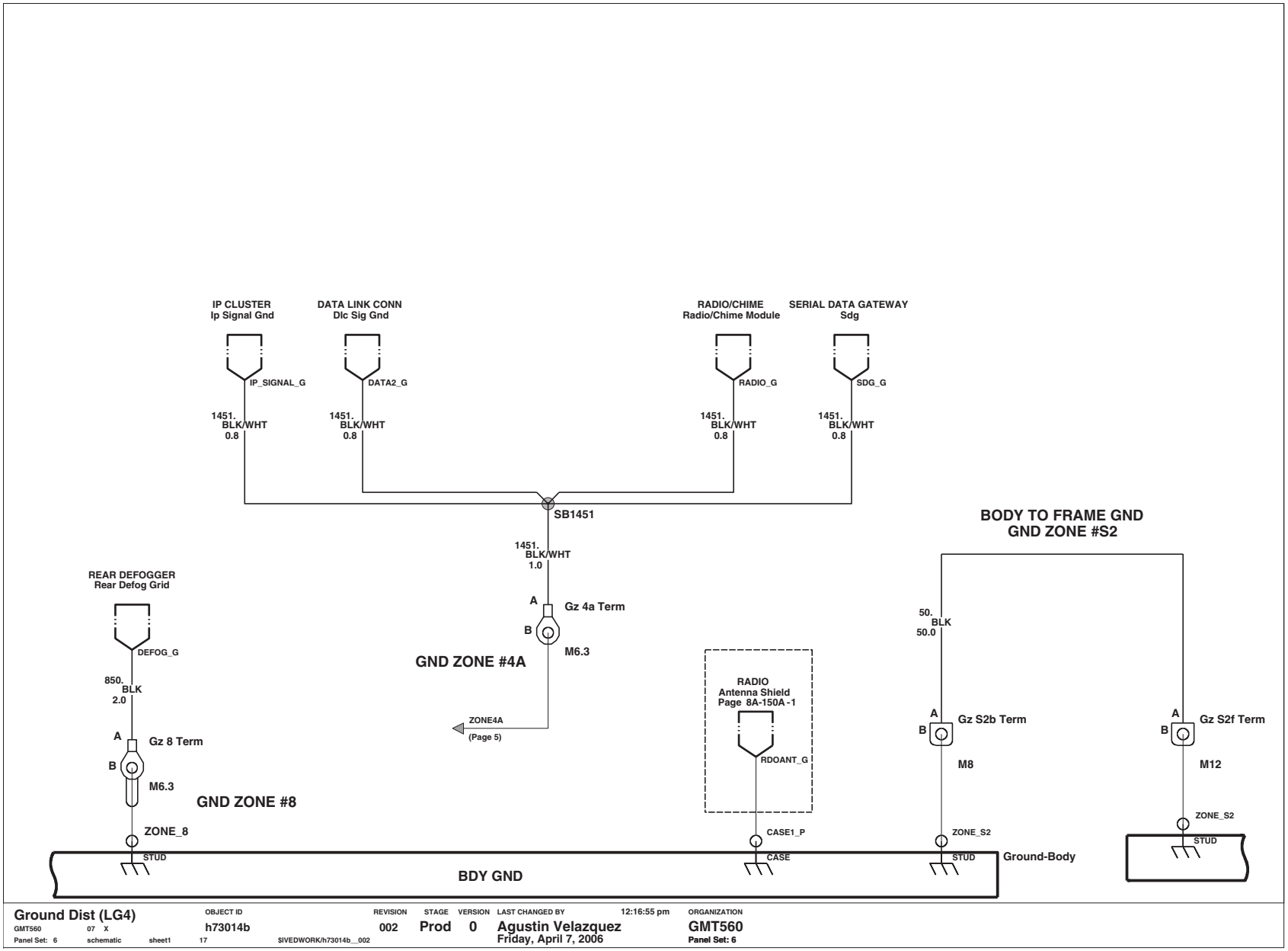


Ground Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73014b	002	Beta	0	Agustin Velazquez	12:16:55 pm	GMT560
Panel Set: 4 schematic sheet1 17	\$IVEDWORK/h73014b__002				Friday, April 7, 2006		Panel Set: 4

Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

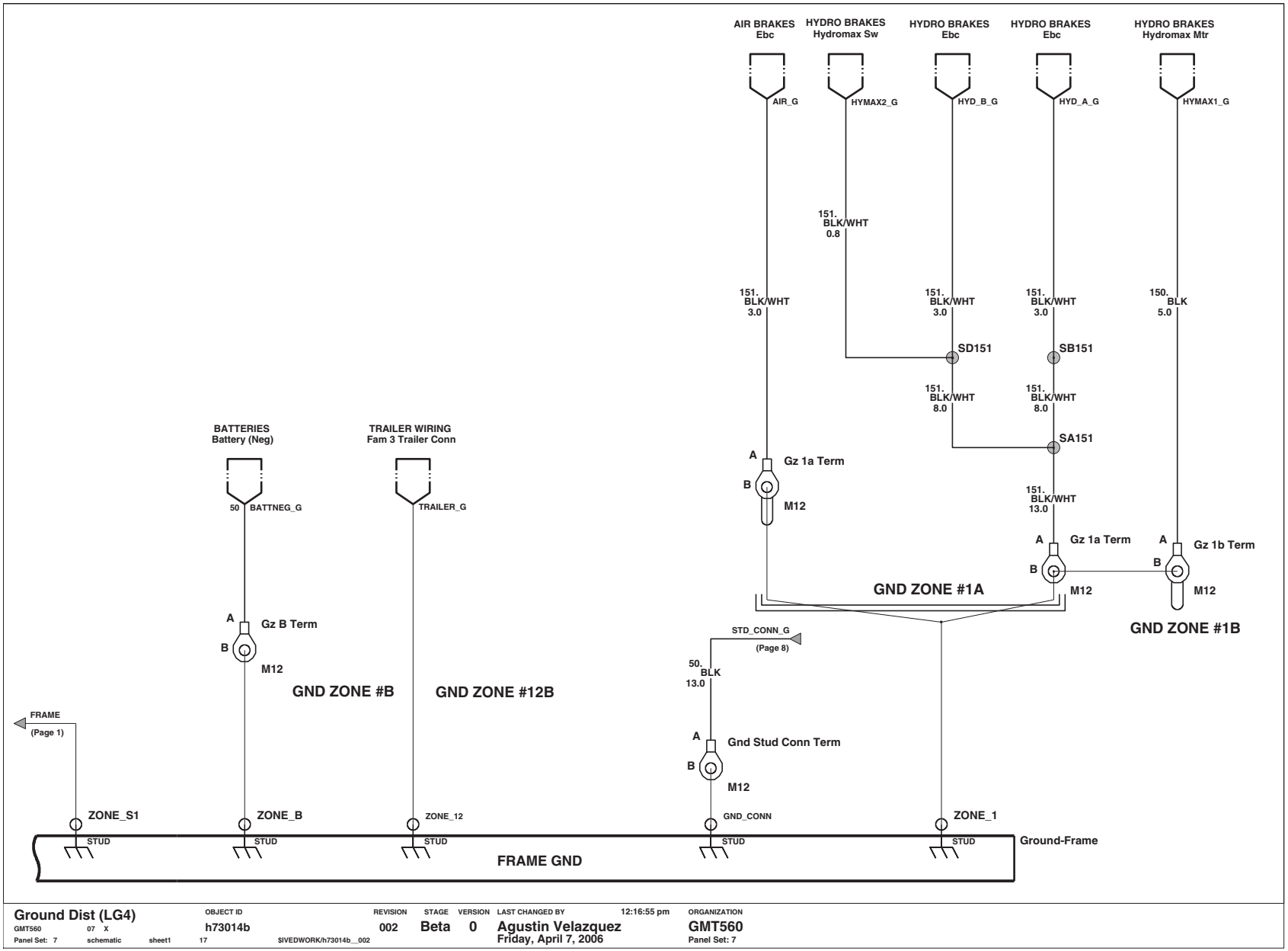


Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



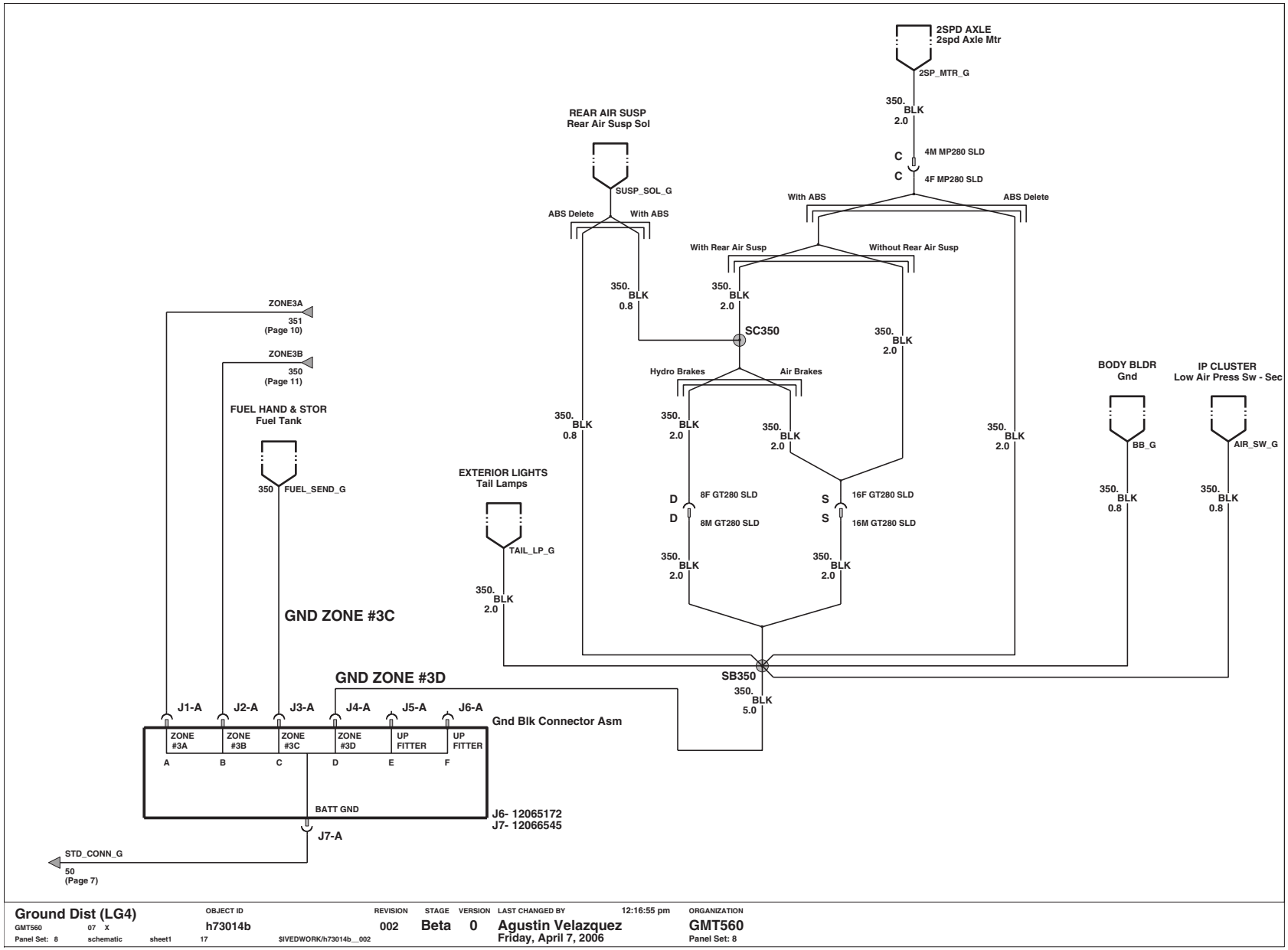
Ground Dist (LG4)
GMT560 07 X
Panel Set: 6 schematic sheet1 17
OBJECT ID h73014b
$IVEDWORK/h73014b__002
REVISION 002
STAGE Prod
VERSION 0
LAST CHANGED BY Agustin Velazquez
12:16:55 pm Friday, April 7, 2006
ORGANIZATION GMT560
Panel Set: 6

Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



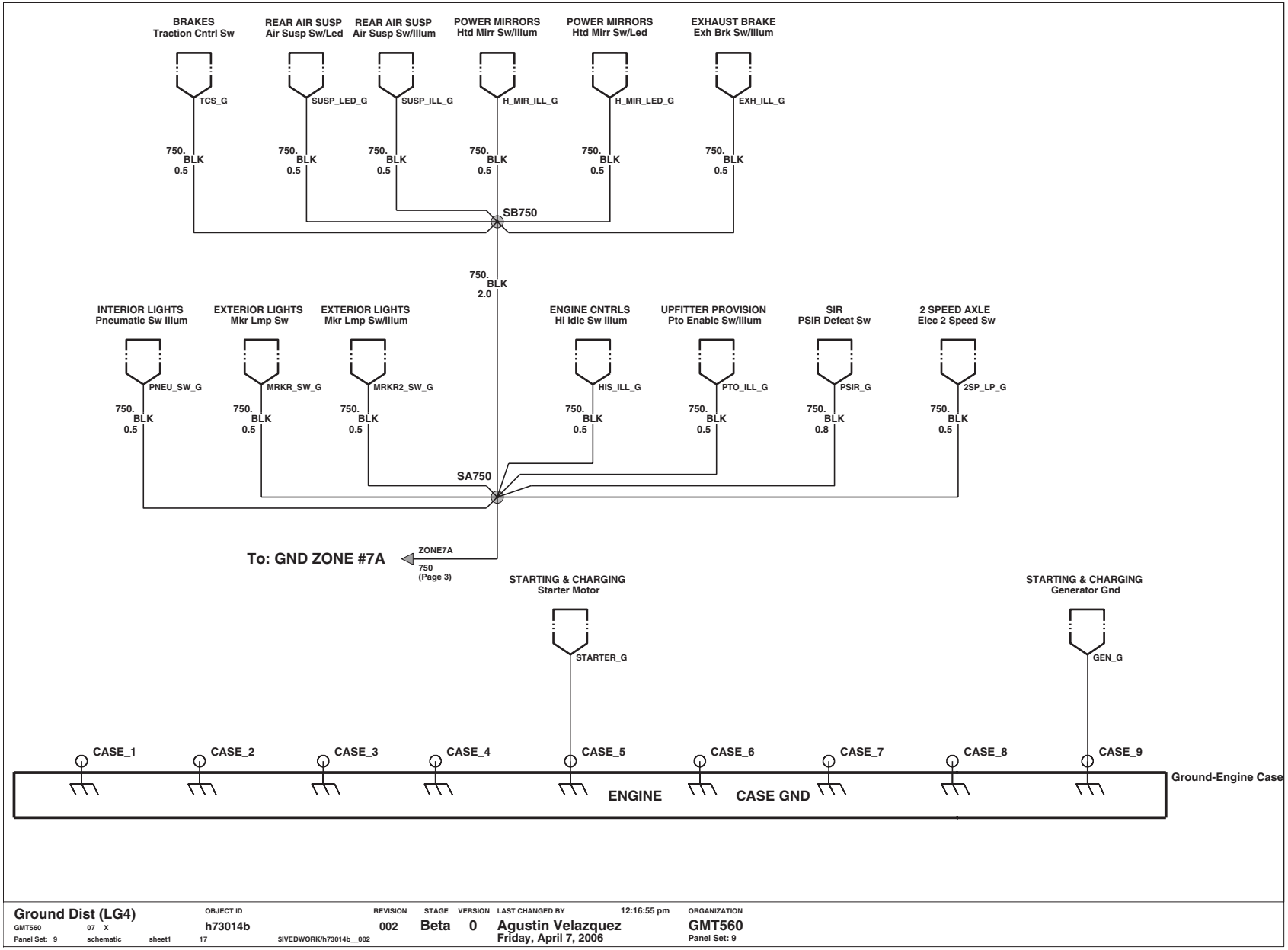
Ground Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:16:55 pm	ORGANIZATION
GMT560 07 X	h73014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 7 schematic sheet1 17	$IVEDWORK/h73014b__002				Friday, April 7, 2006		Panel Set: 7

Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



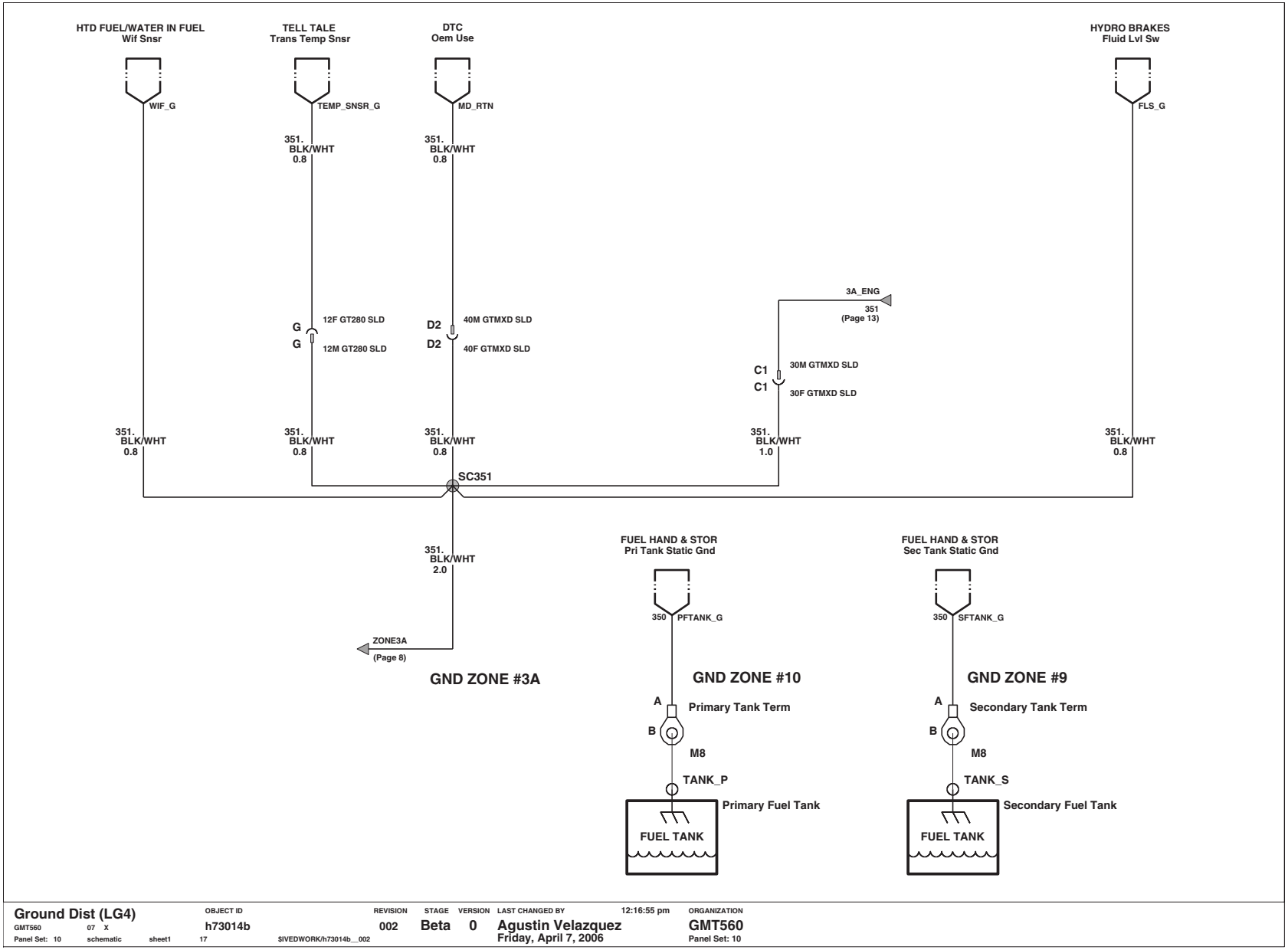
Ground Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:16:55 pm	ORGANIZATION
GMT560 07 X	h73014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 8 schematic sheet1 17	$IVEDWORK/h73014b__002				Friday, April 7, 2006		Panel Set: 8

Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

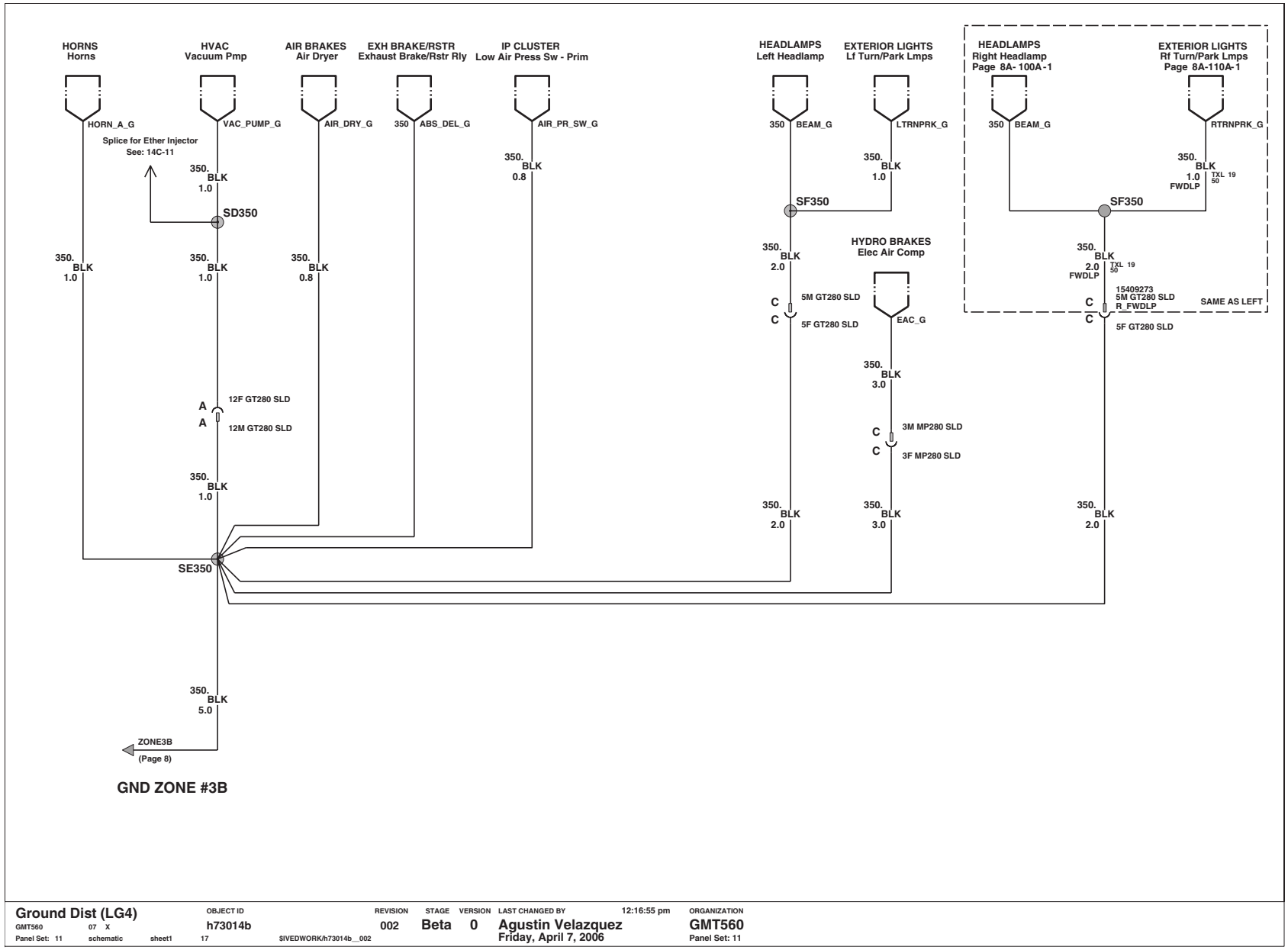


Ground Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73014b	002	Beta	0	Agustin Velazquez	12:16:55 pm	GMT560
Panel Set: 9 schematic sheet1 17	$IVEDWORK/h73014b__002				Friday, April 7, 2006		Panel Set: 9

Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



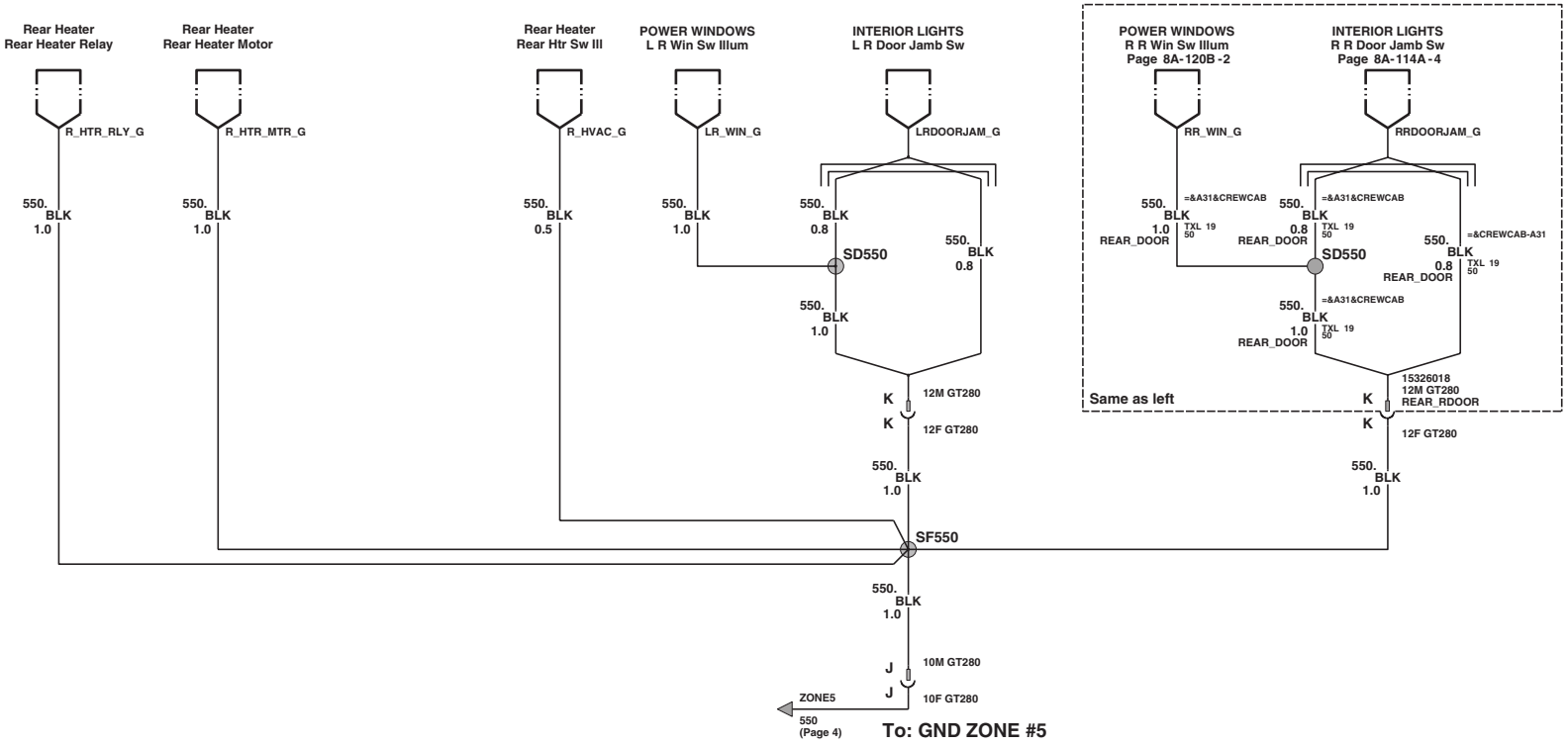
Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



GND ZONE #3B

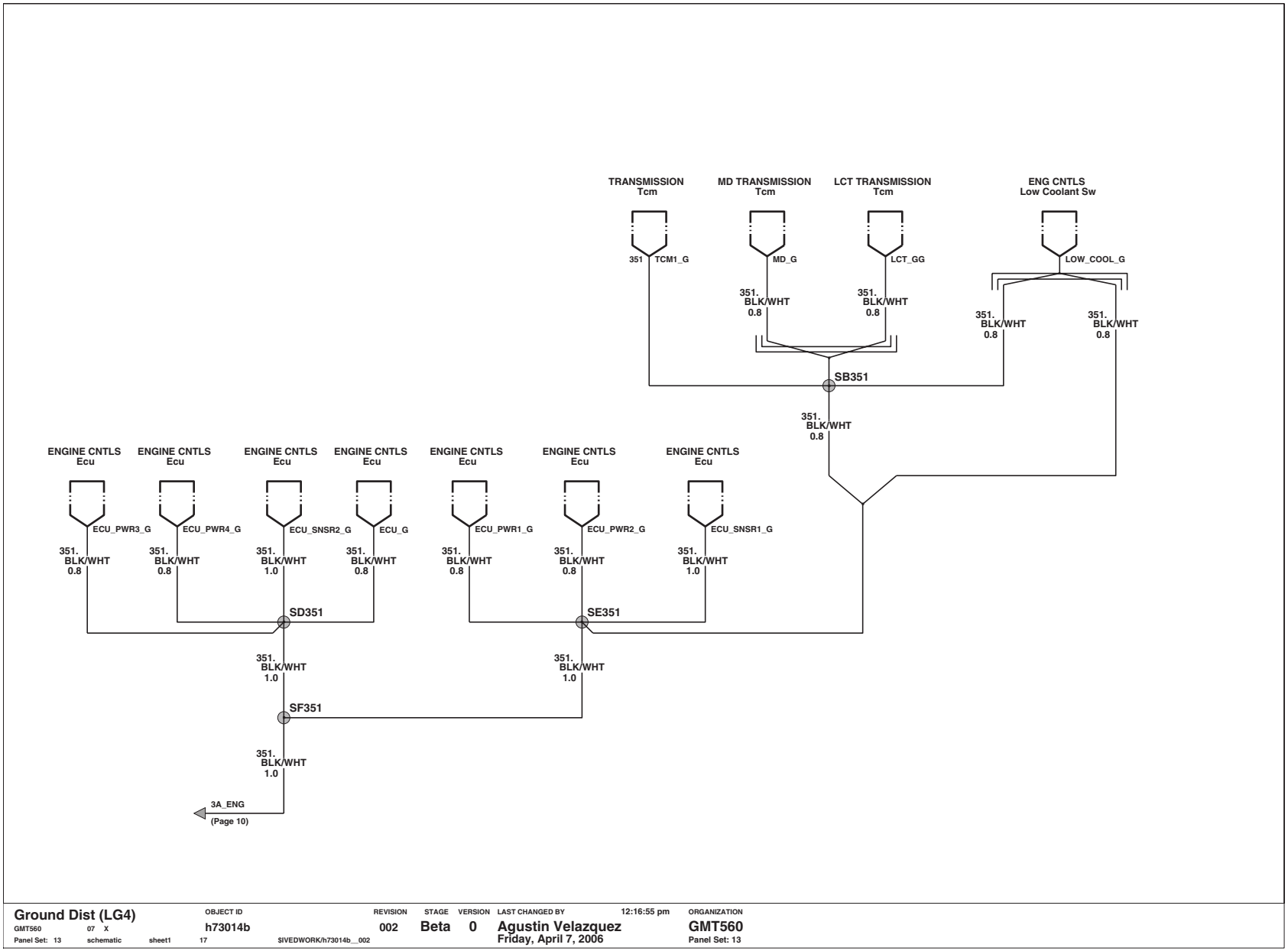
Ground Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:16:55 pm	ORGANIZATION
GMT560 07 X	h73014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 11 schematic sheet1 17	$IVEDWORK/h73014b__002				Friday, April 7, 2006		Panel Set: 11

Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



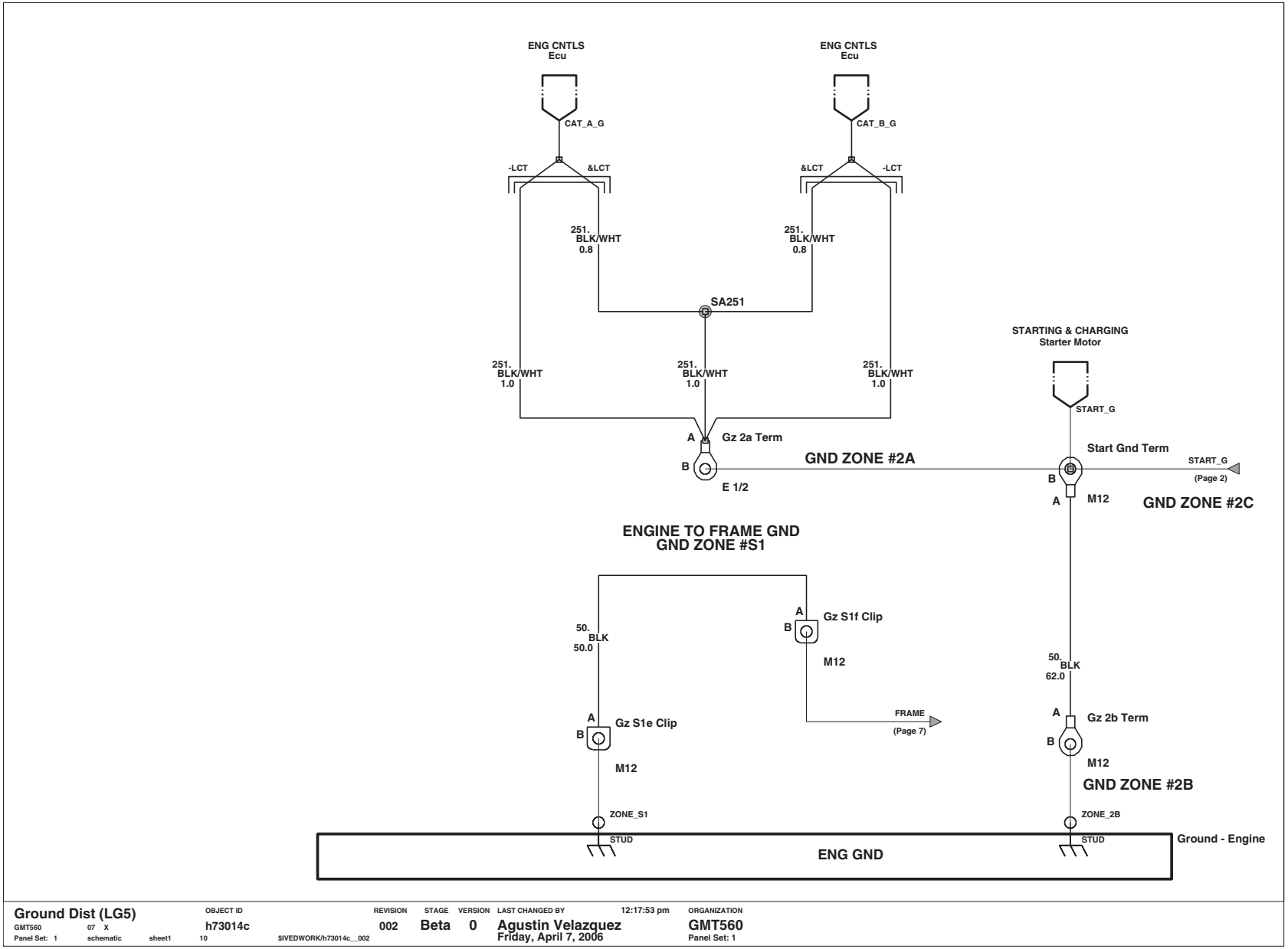
Ground Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:16:55 pm	ORGANIZATION
GMT560 07 X	h73014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 12 schematic sheet1 17	$IVEDWORK/h73014b__002				Friday, April 7, 2006		Panel Set: 12

Ground Distribution (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

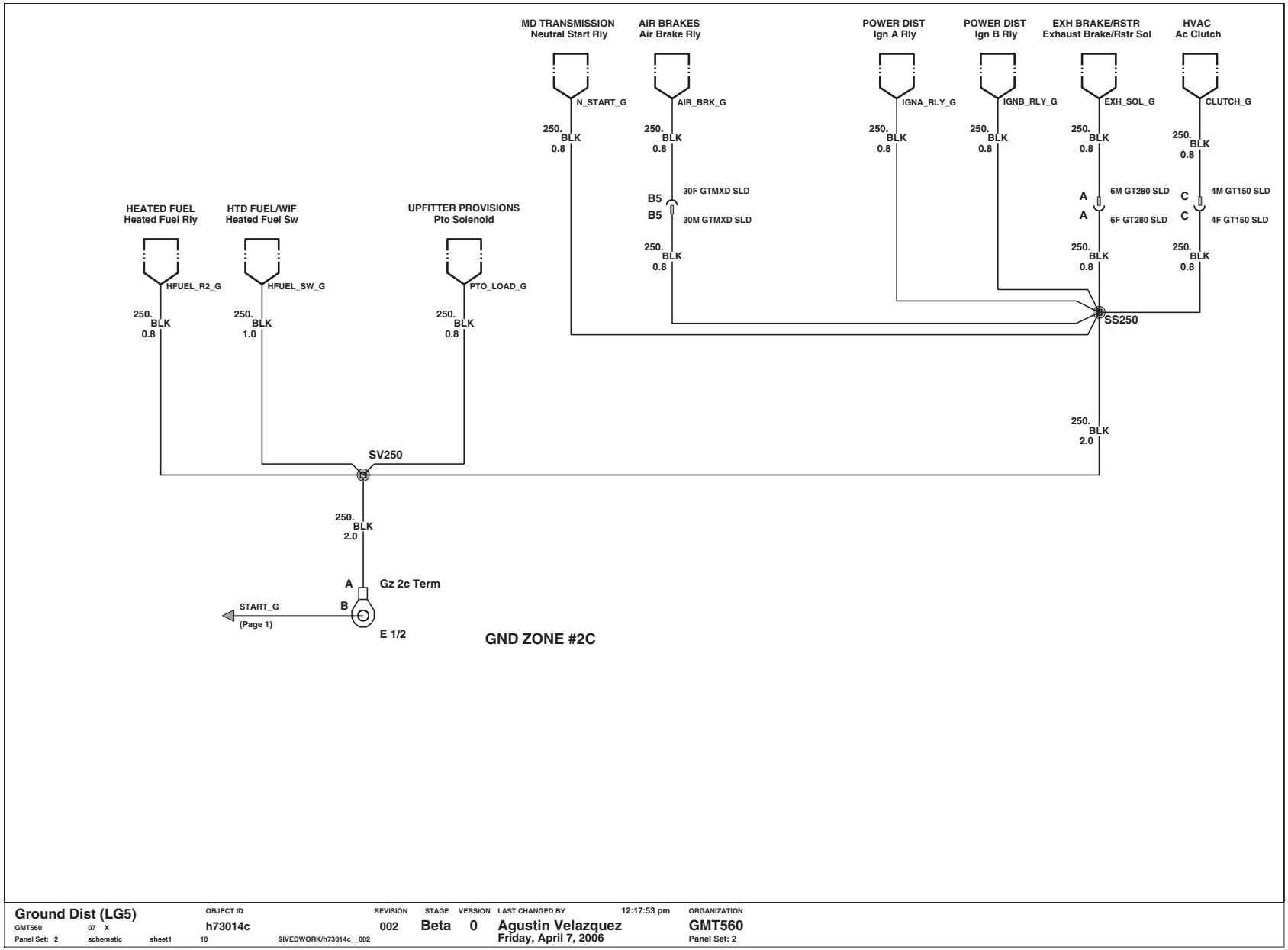


Ground Dist (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:16:55 pm	ORGANIZATION
GMT560 07 X	h73014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 13 schematic sheet1 17	$IVEDWORK/h73014b__002				Friday, April 7, 2006		Panel Set: 13

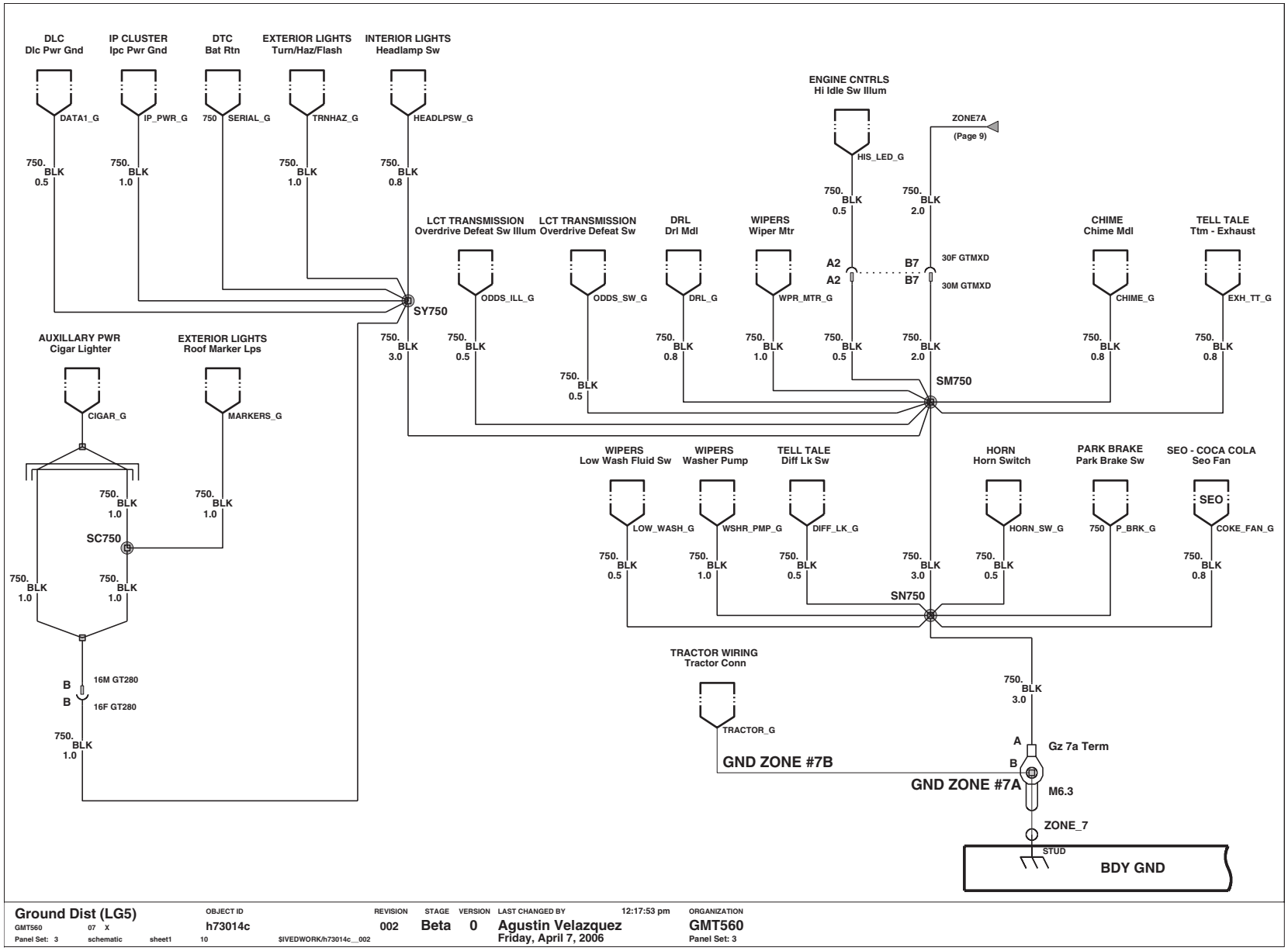
Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel



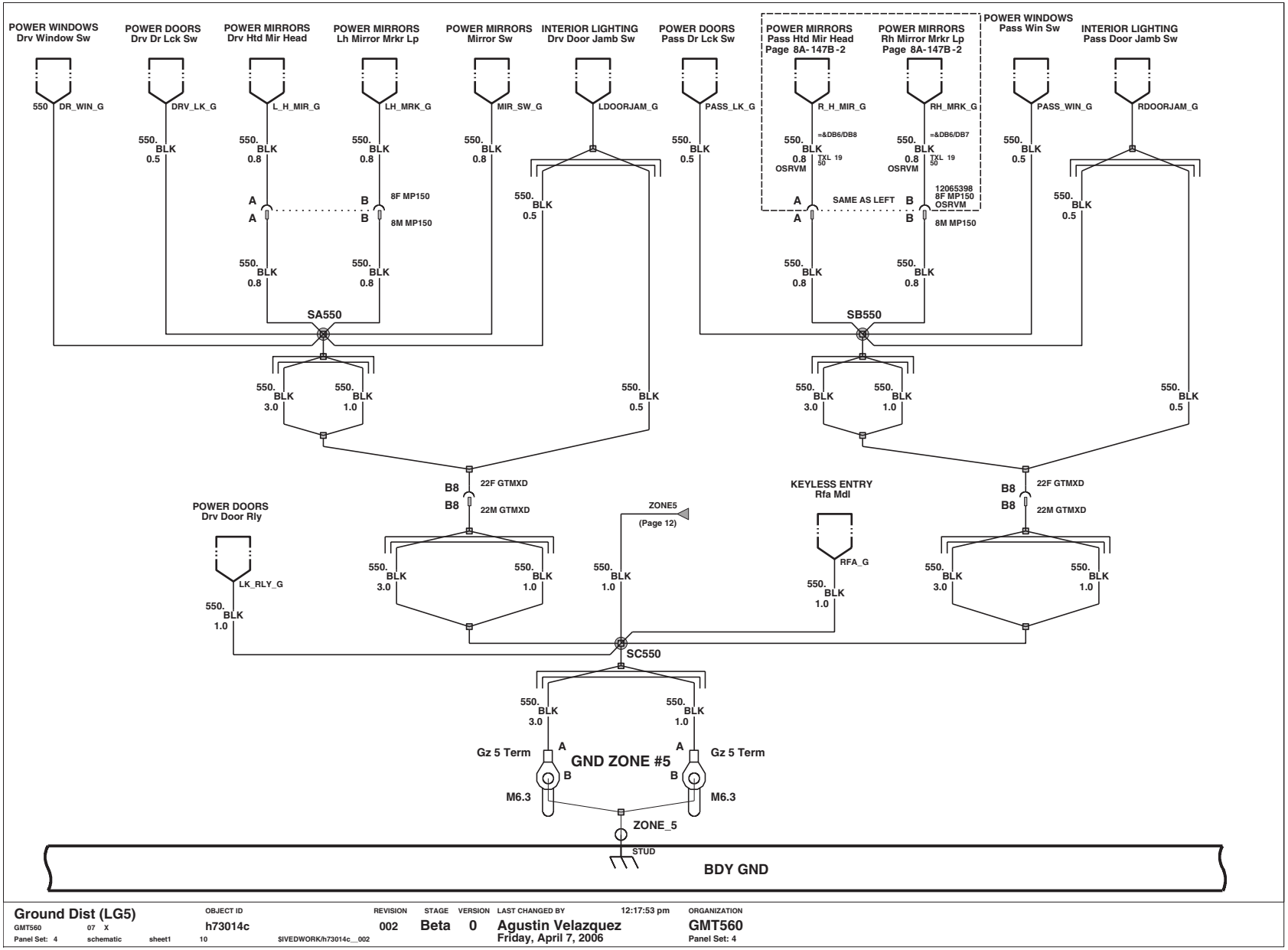
Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

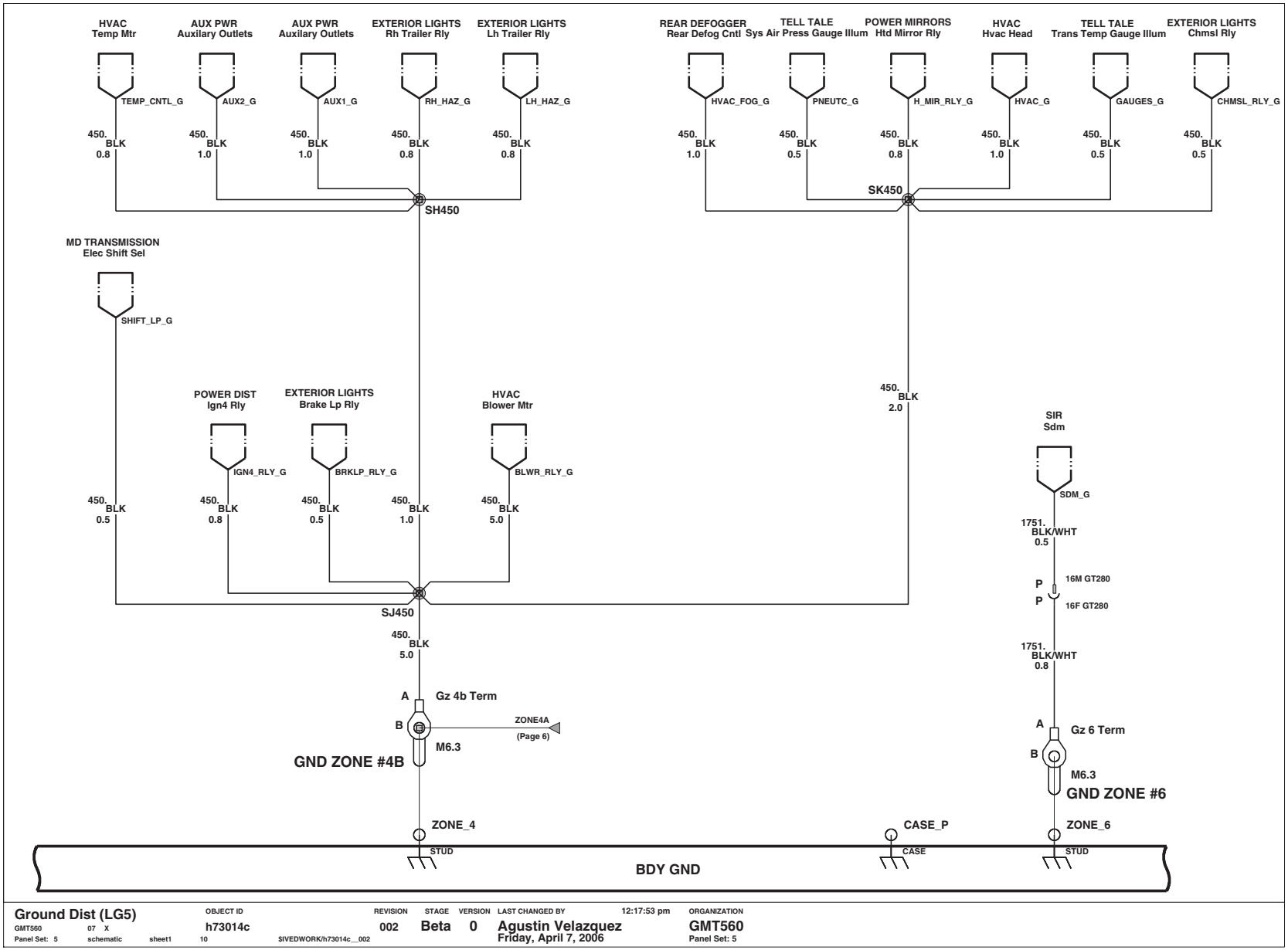


Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



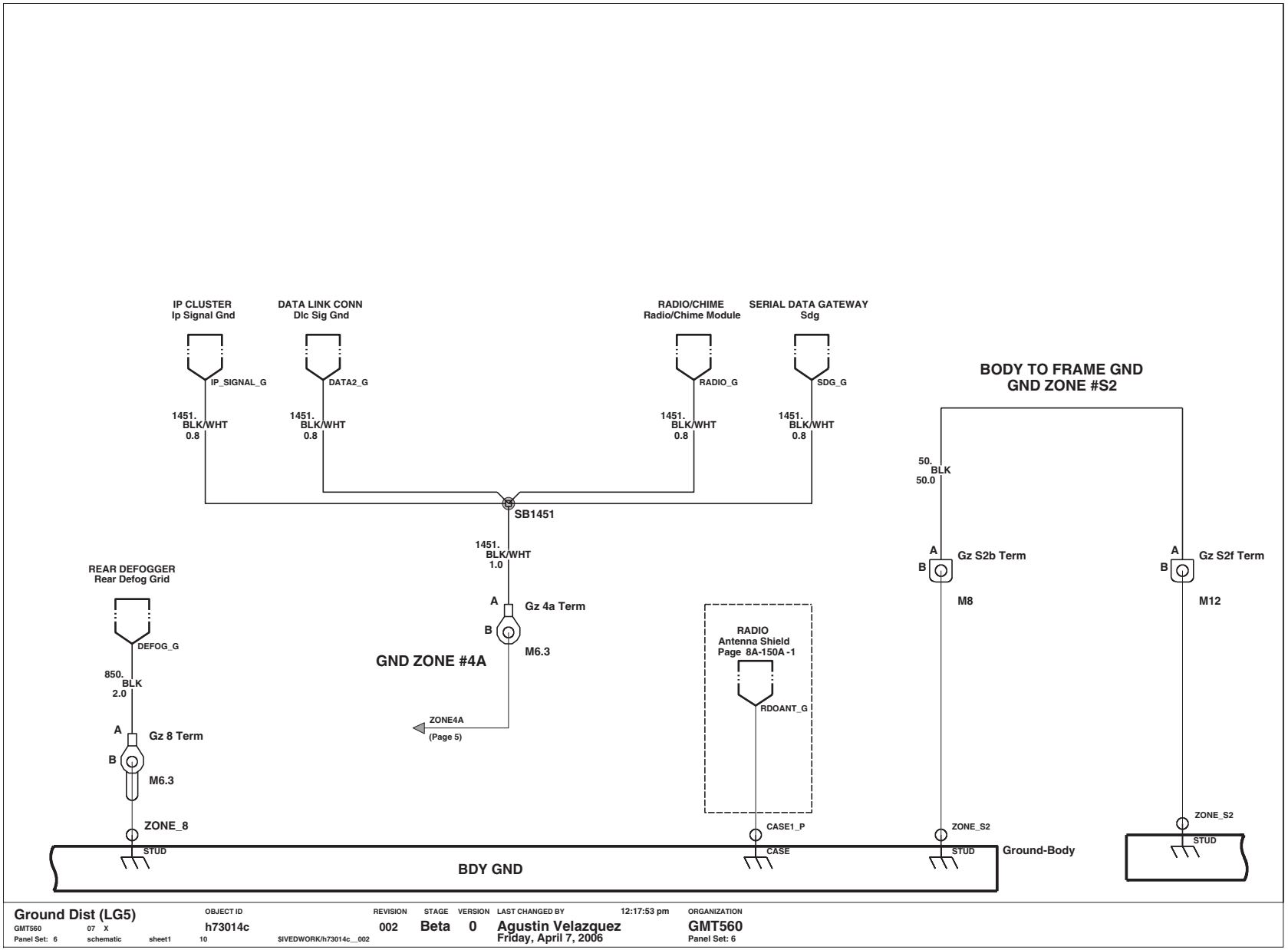
Ground Dist (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73014c	002	Beta	0	Agustin Velazquez	12:17:53 pm	GMT560
Panel Set: 4 schematic sheet1 10	$IVEDWORK/h73014c__002				Friday, April 7, 2006		Panel Set: 4

Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

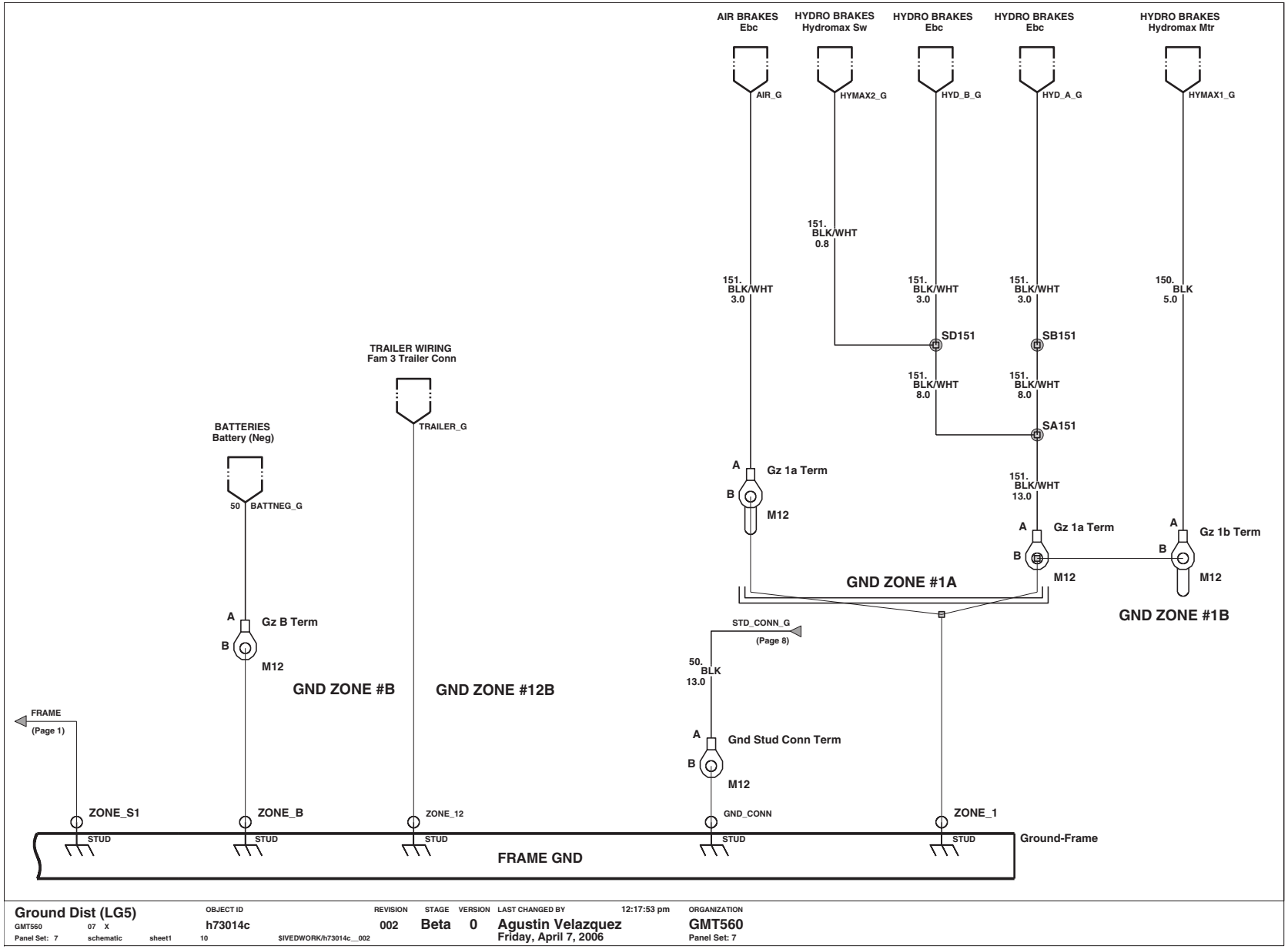


Ground Dist (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73014c	002	Beta	0	Agustin Velazquez	12:17:53 pm	GMT560
Panel Set: 5 schematic sheet1 10	$IVEDWORK/h73014c__002				Friday, April 7, 2006		Panel Set: 5

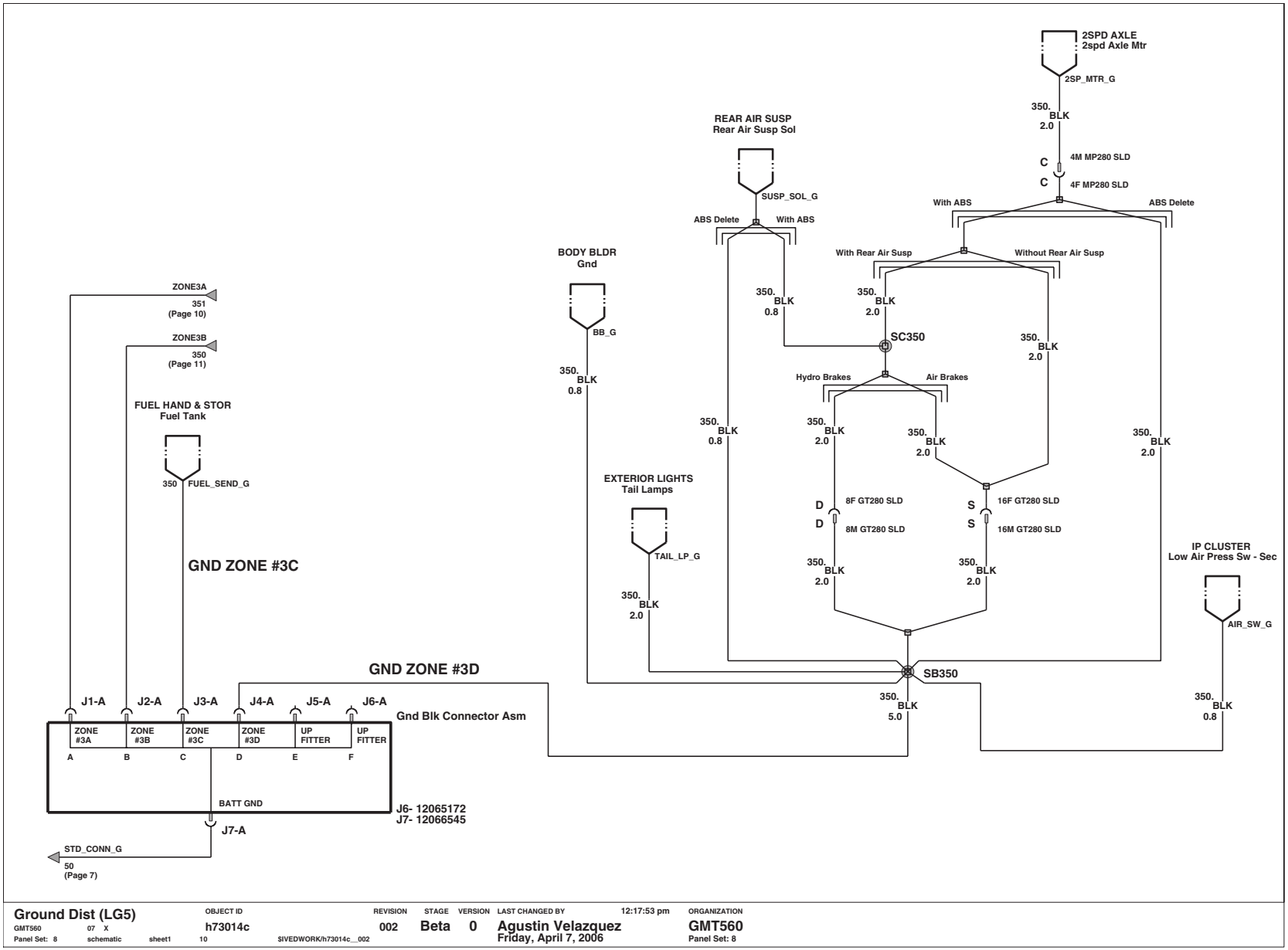
Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

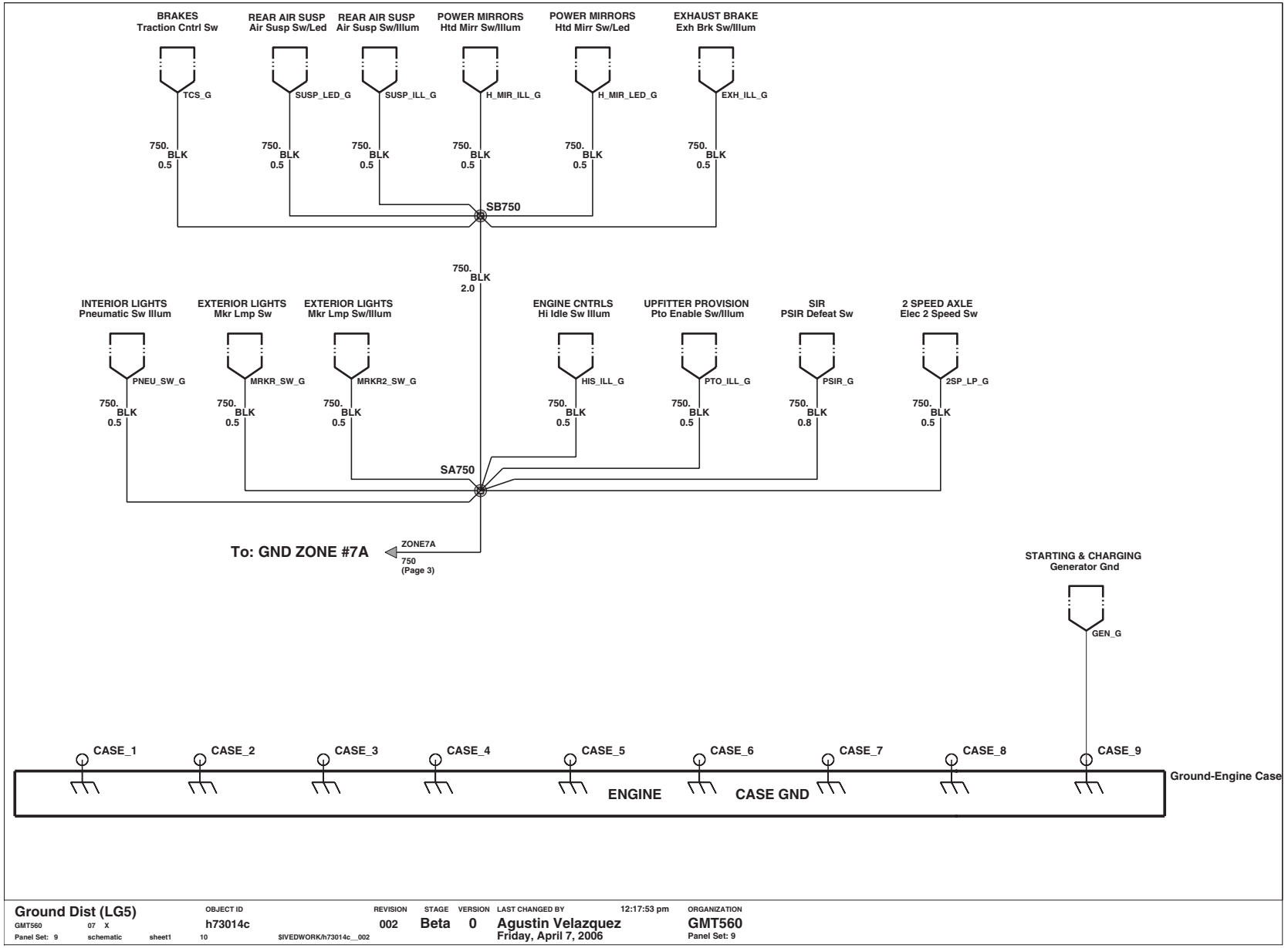


Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

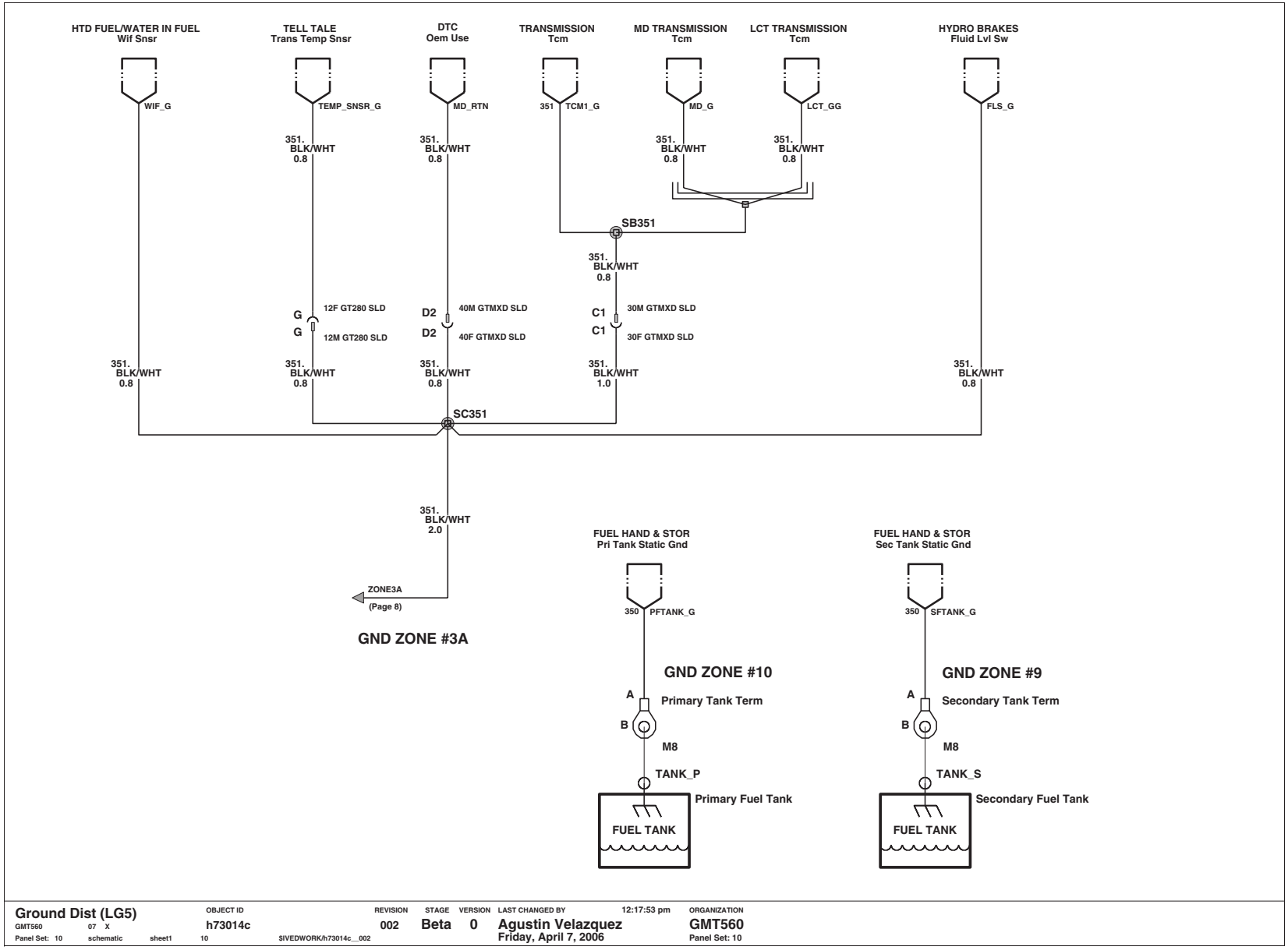


Ground Dist (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:17:53 pm	ORGANIZATION
GMT560 07 X	h73014c	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 8 schematic sheet1 10	$IVEDWORK/h73014c__002				Friday, April 7, 2006		Panel Set: 8

Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

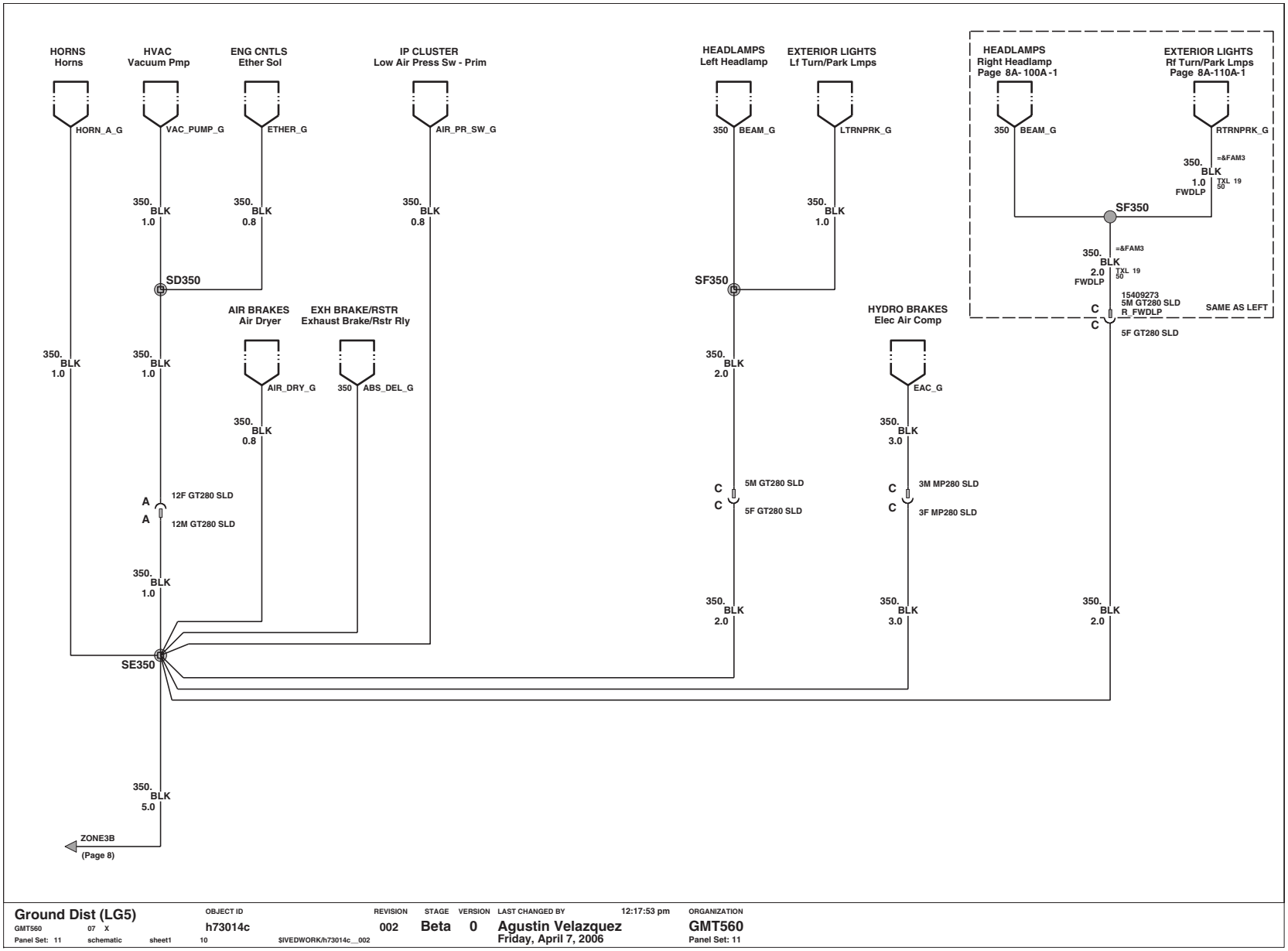


Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

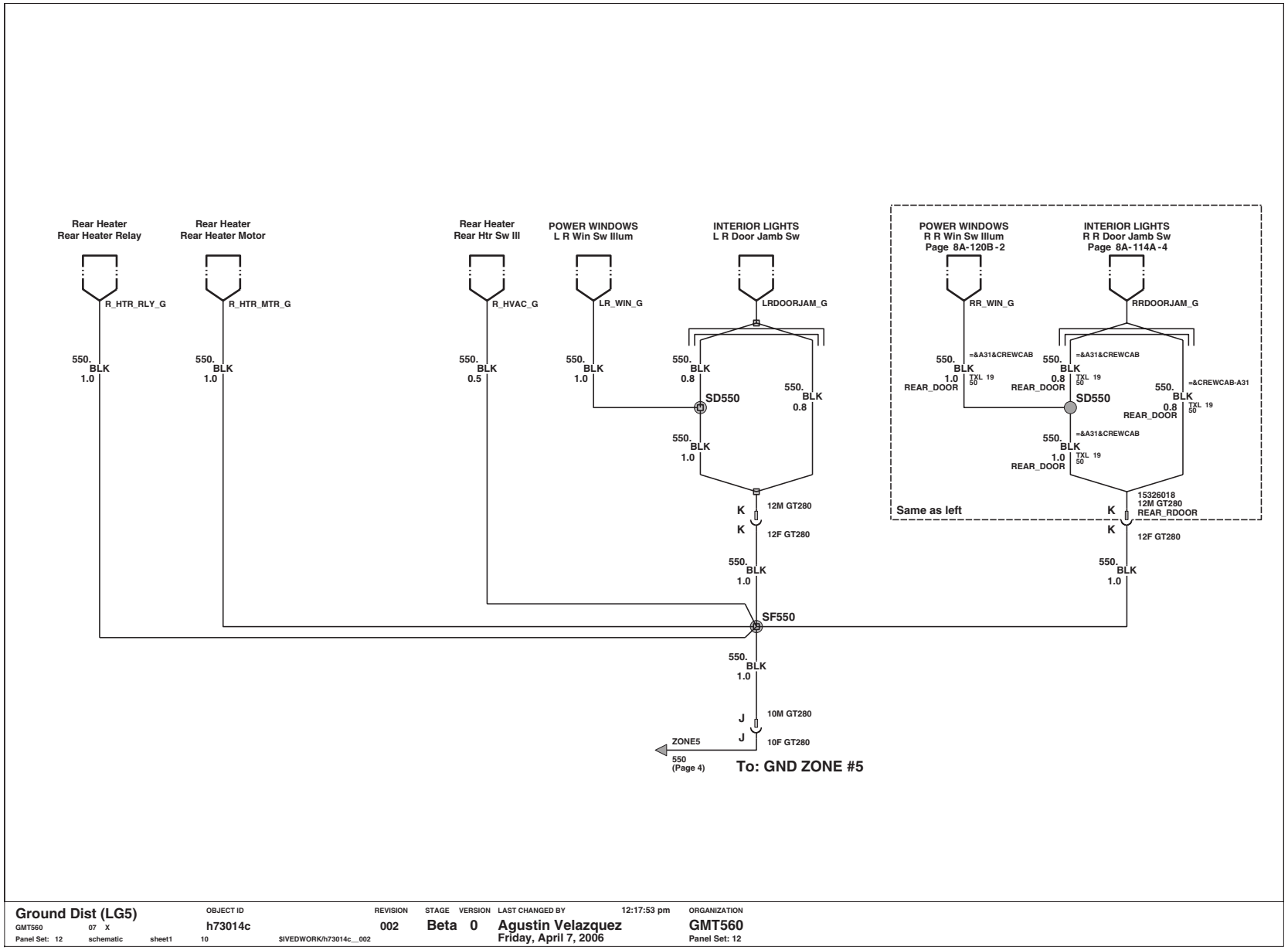


Ground Dist (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:17:53 pm	ORGANIZATION
GMT560 07 X	h73014c	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 10 schematic sheet1 10	$IVEDWORK/h73014c__002				Friday, April 7, 2006		Panel Set: 10

Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

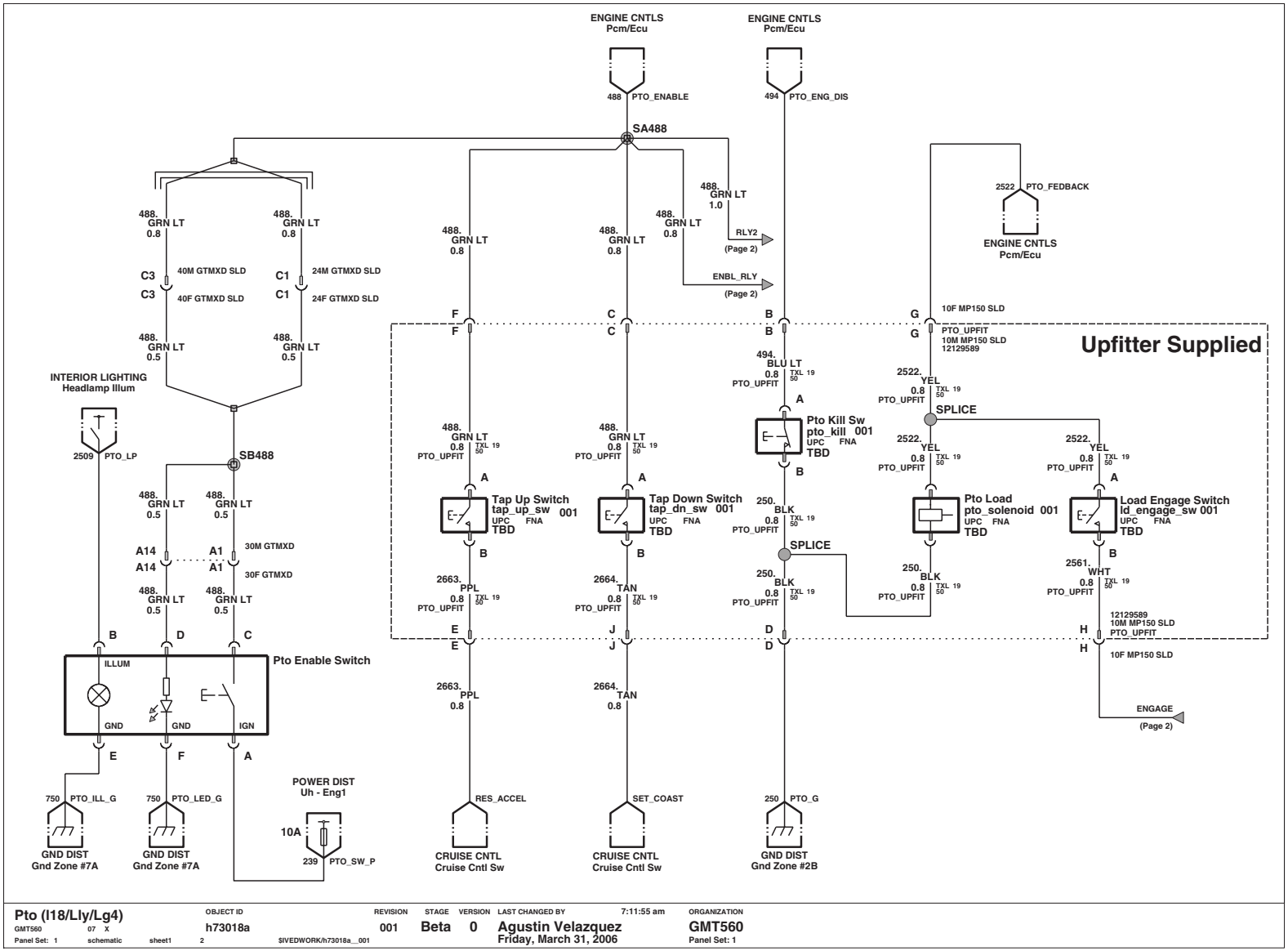


Ground Distribution (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

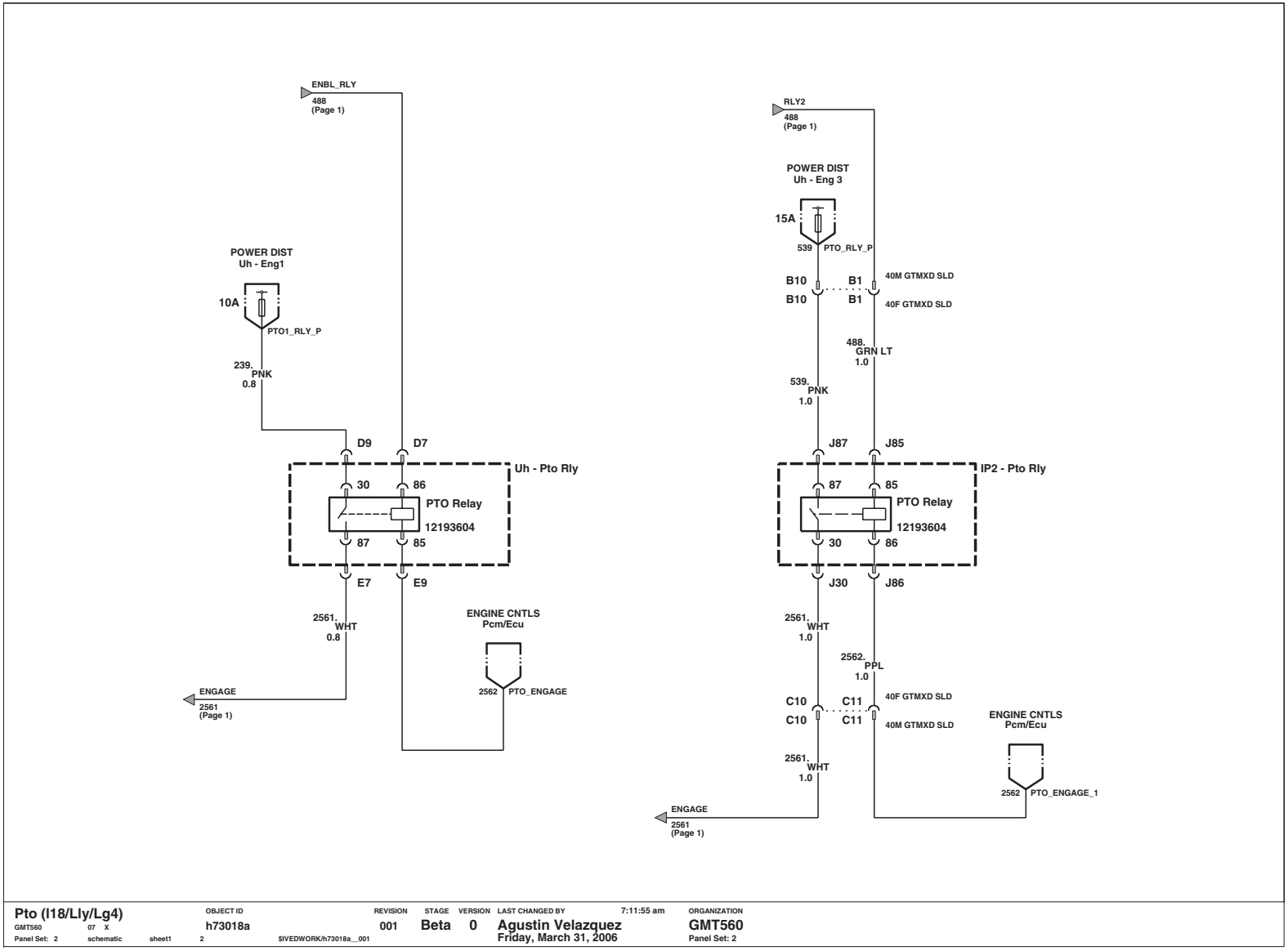


Ground Dist (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:17:53 pm	ORGANIZATION
GMT560 07 X	h73014c	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 12 schematic sheet1 10	$IVEDWORK/h73014c__002				Friday, April 7, 2006		Panel Set: 12

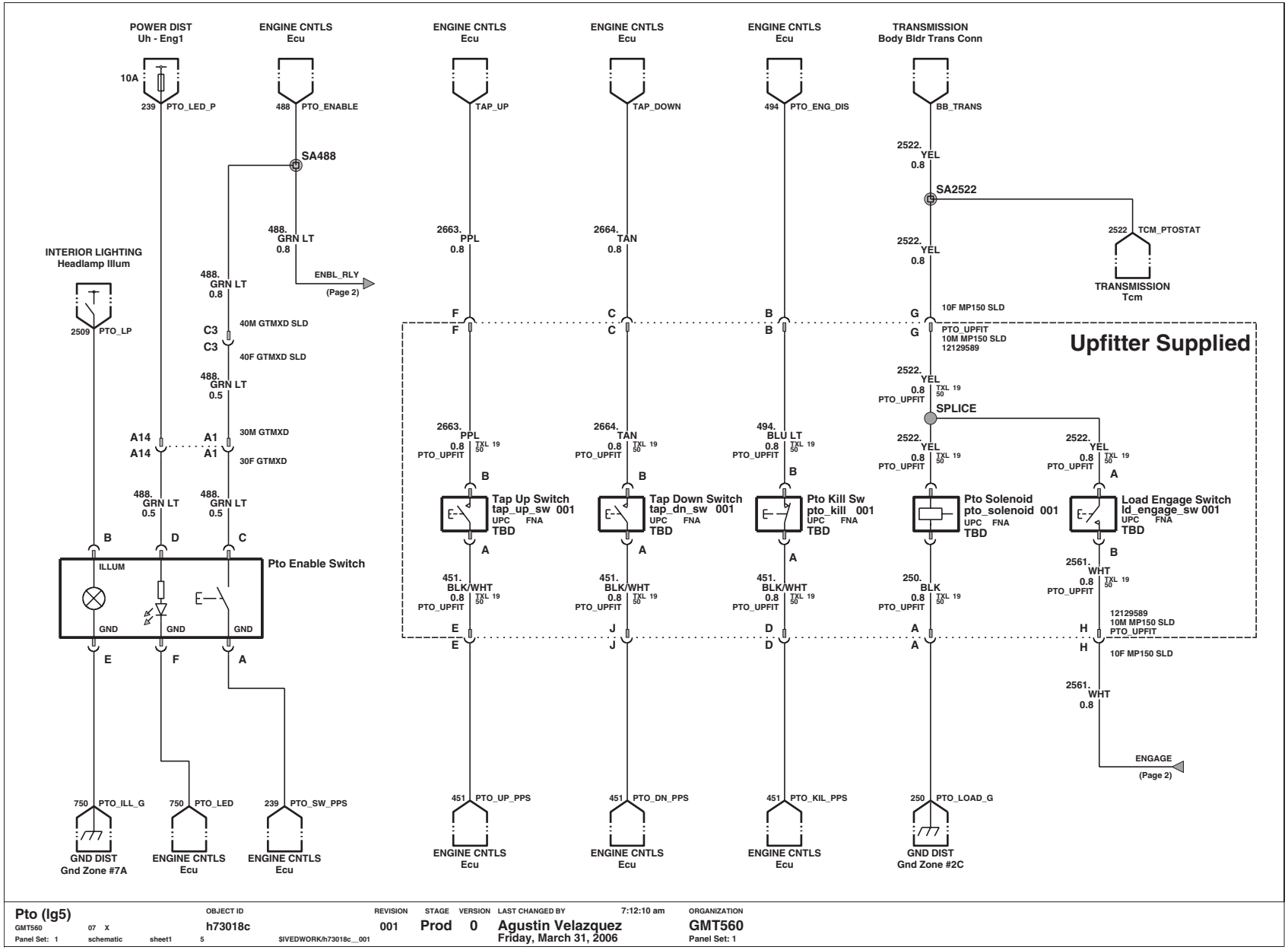
Power Take-Off (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel – (LG4) 7.8L L6 Isuzu 6H - Diesel



Power Take-Off (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel – (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

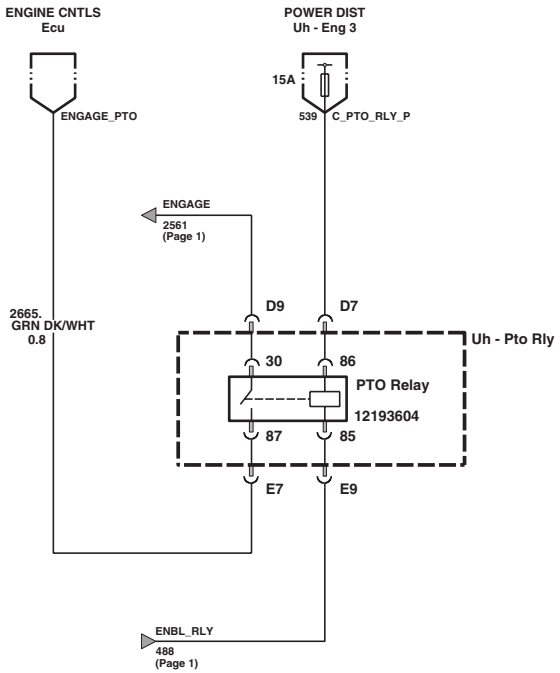


Power Take-Off (LG5) 7.2L L6 Caterpillar® C7 - Diesel



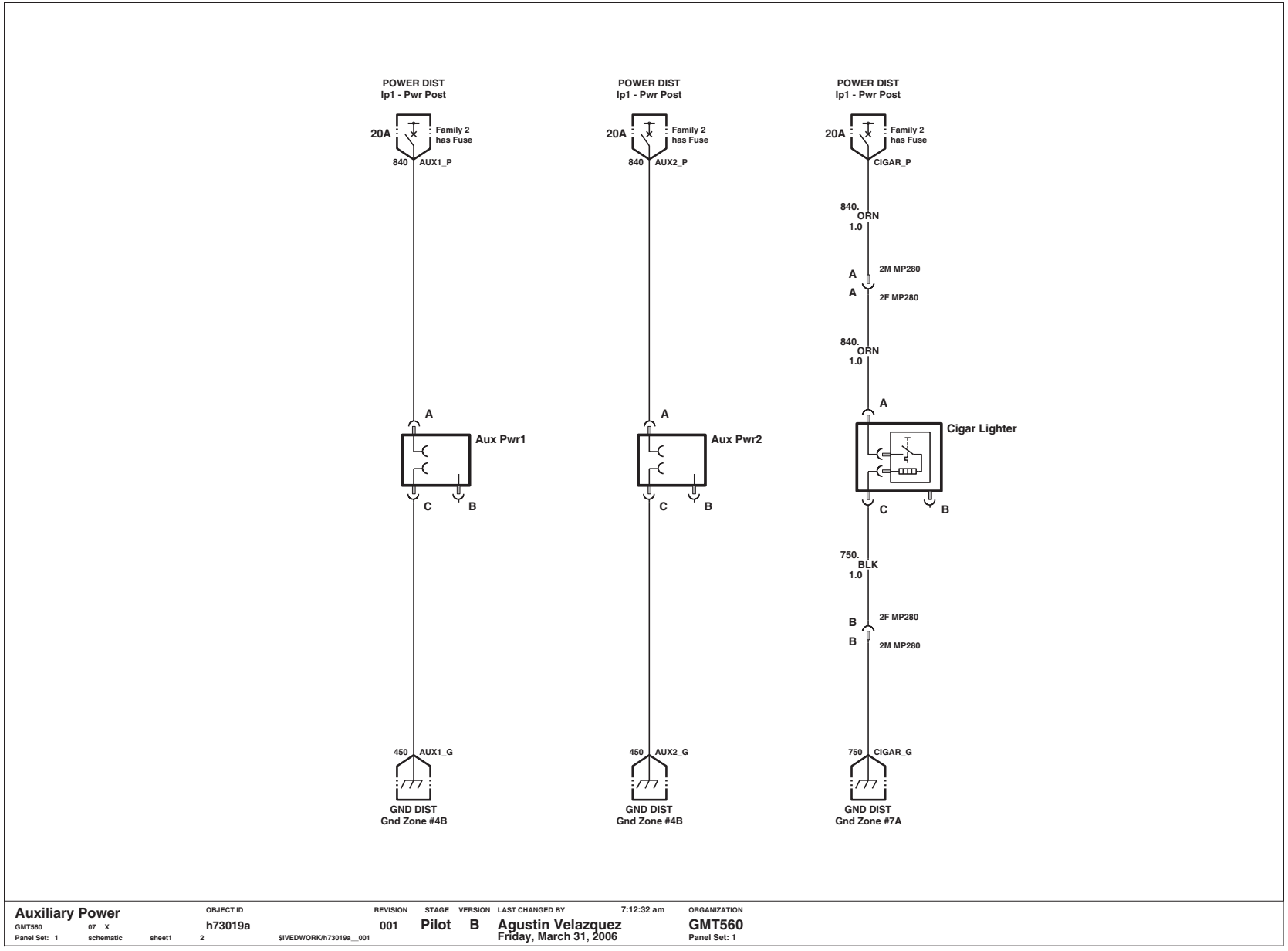
Pto (lg5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73018c	001	Prod	0	Agustin Velazquez	7:12:10 am	GMT560
Panel Set: 1 schematic sheet1 5	$IVEDWORK/h73018c__001				Friday, March 31, 2006		Panel Set: 1

Power Take-Off (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

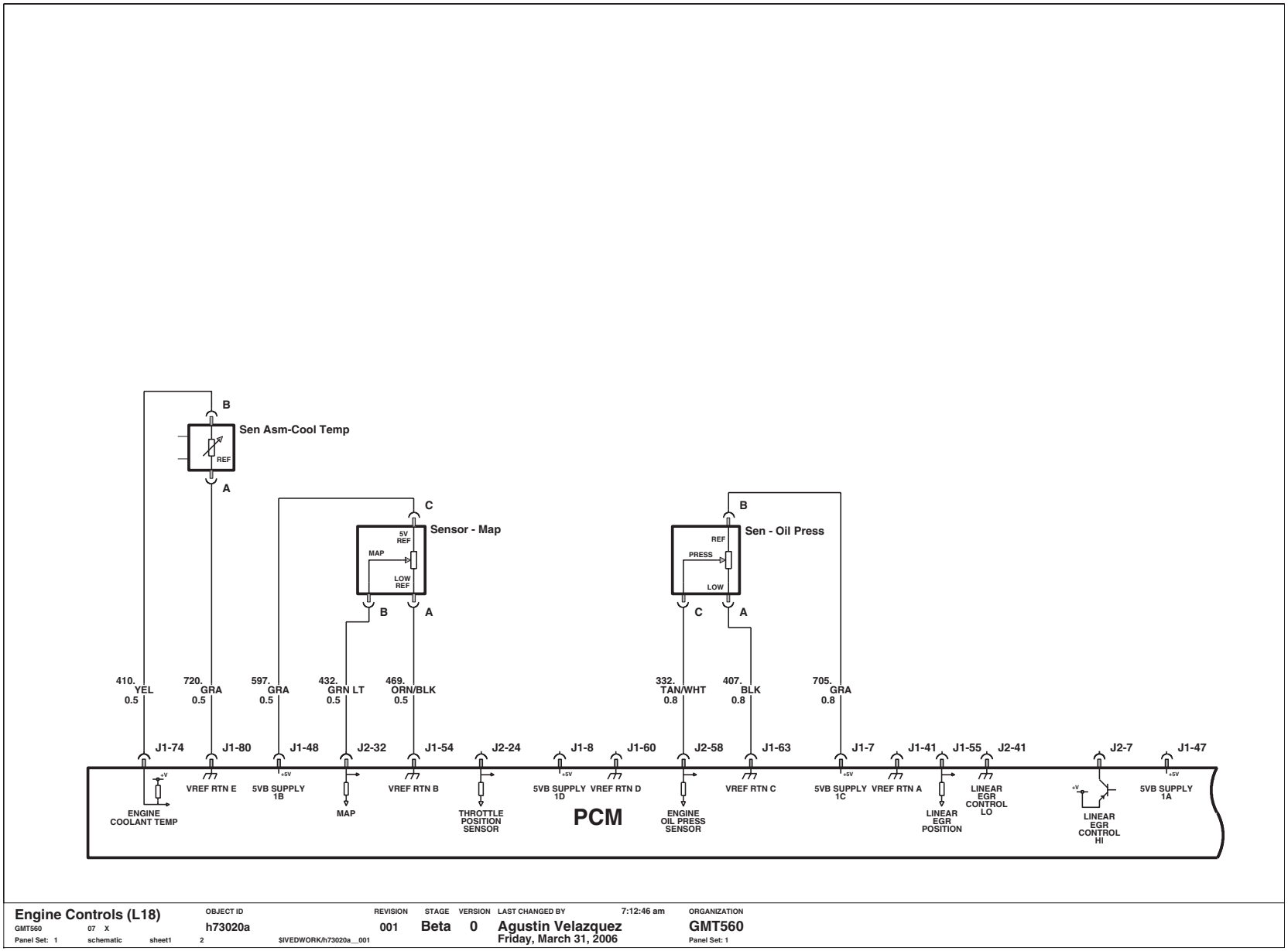


Pto (lg5)		OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:12:10 am	ORGANIZATION
GMT560	07 X	h73018c	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 2	schematic sheet1 5	SIVEDWORK/h73018c__001				Friday, March 31, 2006		Panel Set: 2

Auxiliary Power

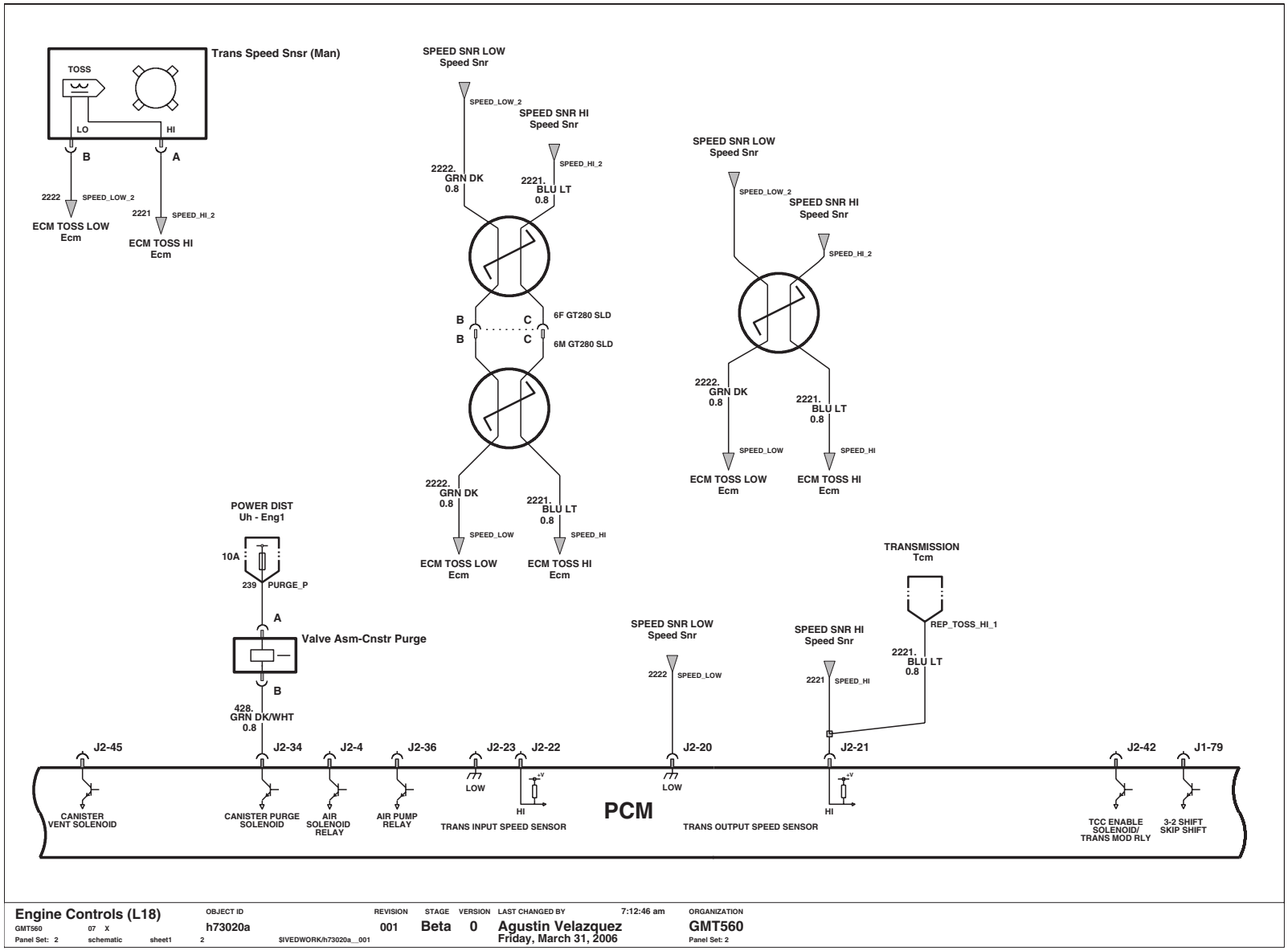


Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas



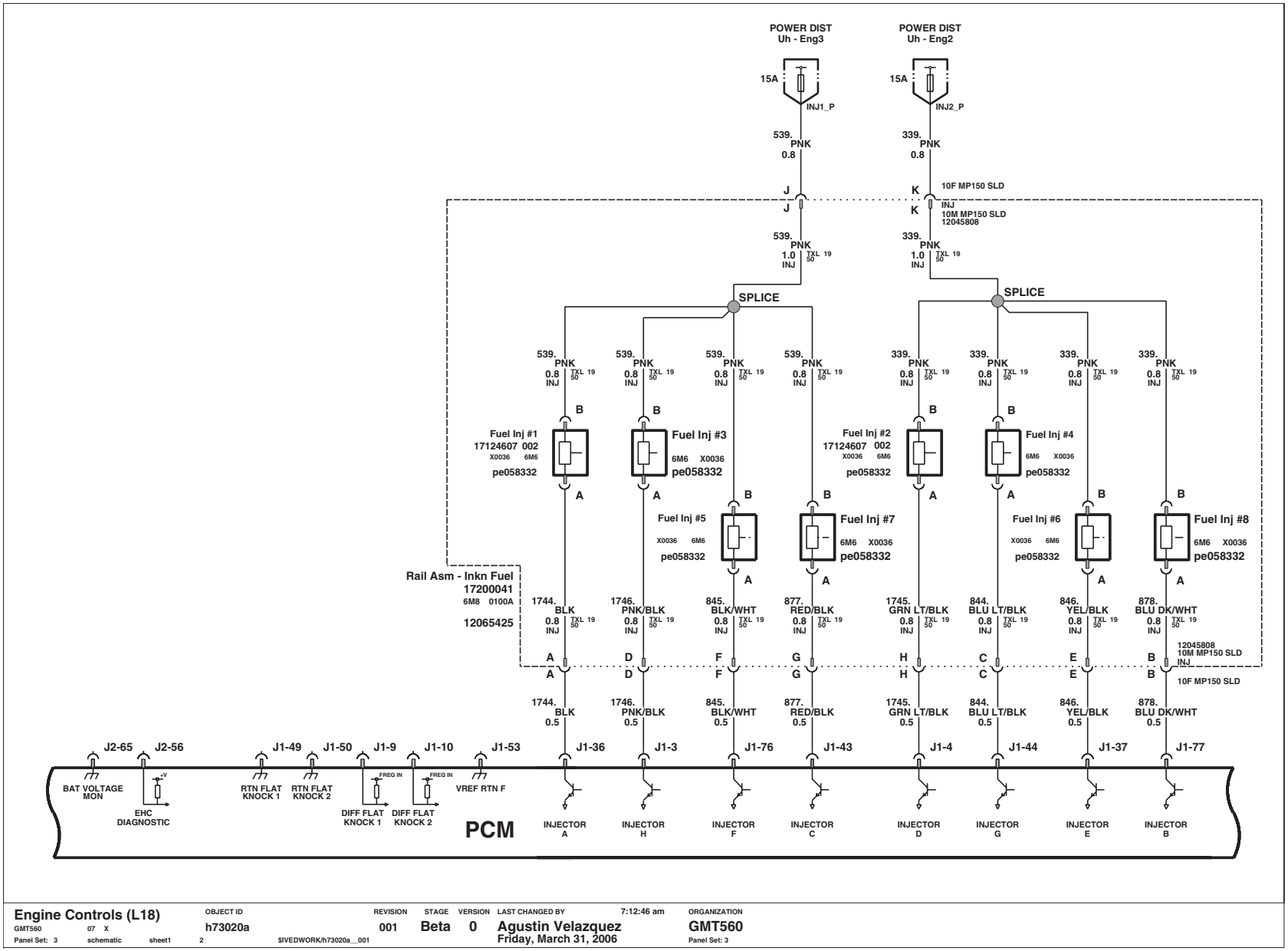
Engine Controls (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:12:46 am	ORGANIZATION
GMT560 07 X	h73020a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h73020a__001				Friday, March 31, 2006		Panel Set: 1

Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



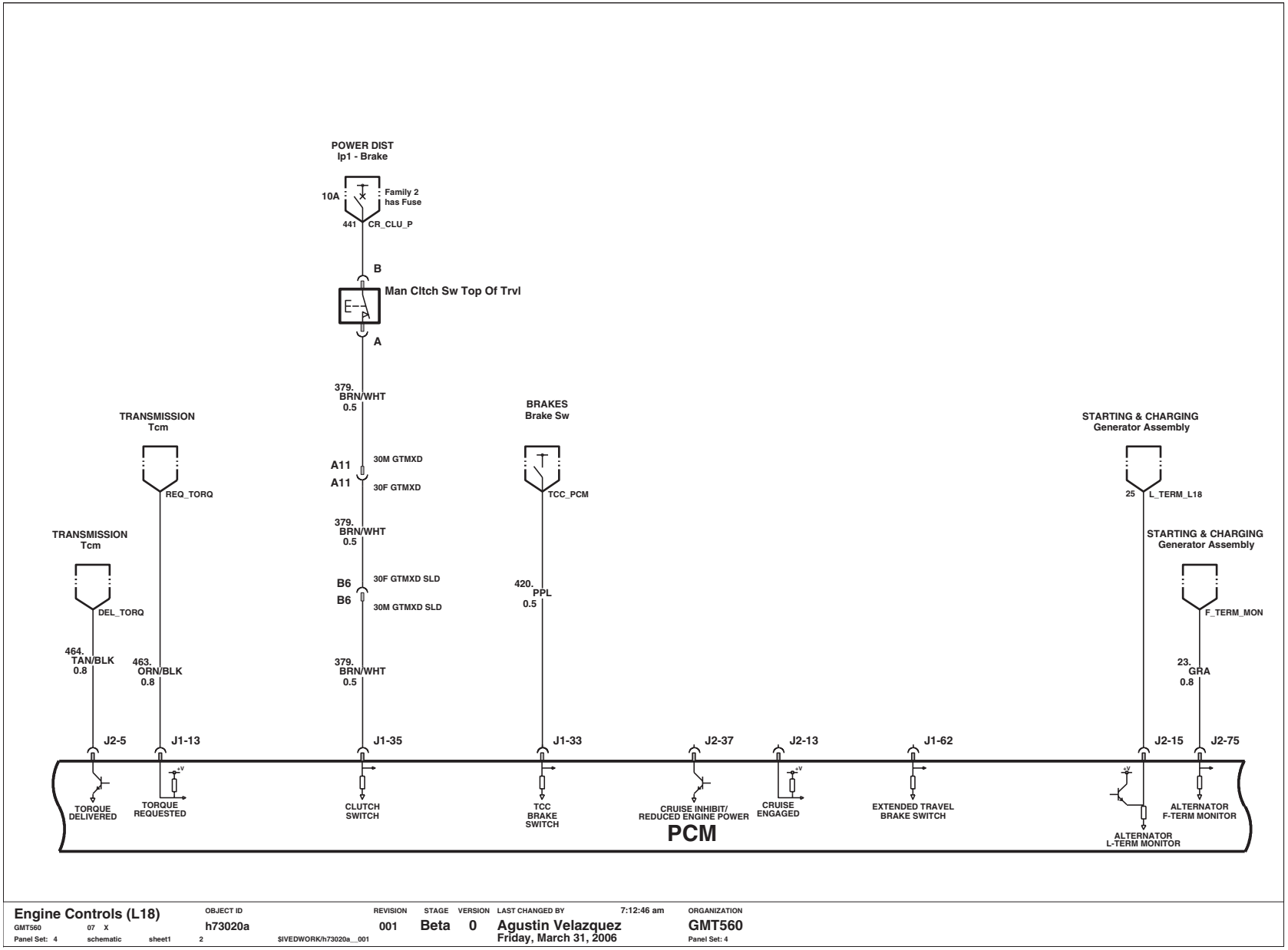
Engine Controls (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:12:46 am	ORGANIZATION
GMT560 07 X	h73020a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 2	SIVEDWORK/h73020a__001				Friday, March 31, 2006		Panel Set: 2

Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



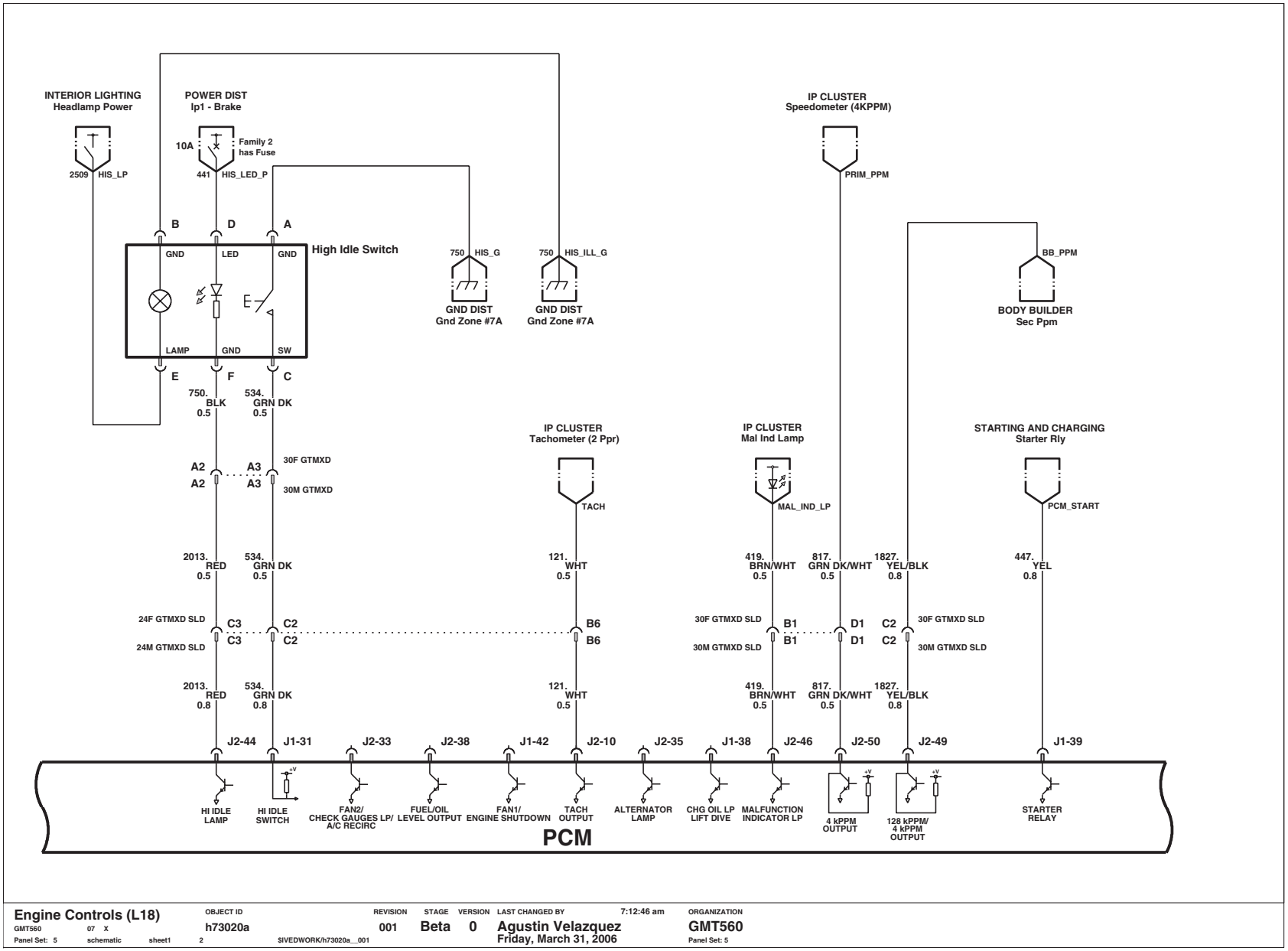
Engine Controls (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020a	001	Beta	0	Agustin Velazquez	7:12:46 am	GMT560
Panel Set: 3 schematic sheet1 2	$IVEDWORK/h73020a__001				Friday, March 31, 2006		Panel Set: 3

Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



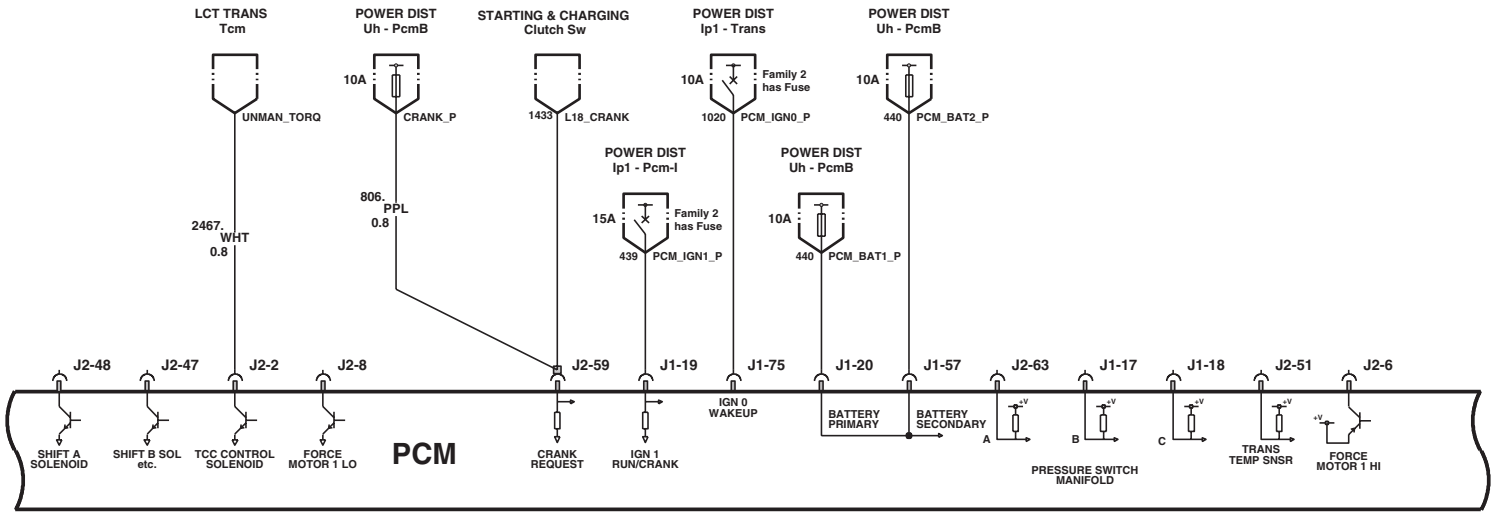
Engine Controls (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020a	001	Beta	0	Agustin Velazquez	7:12:46 am	GMT560
Panel Set: 4 schematic sheet1 2	$IVEDWORK/h73020a__001				Friday, March 31, 2006		Panel Set: 4

Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



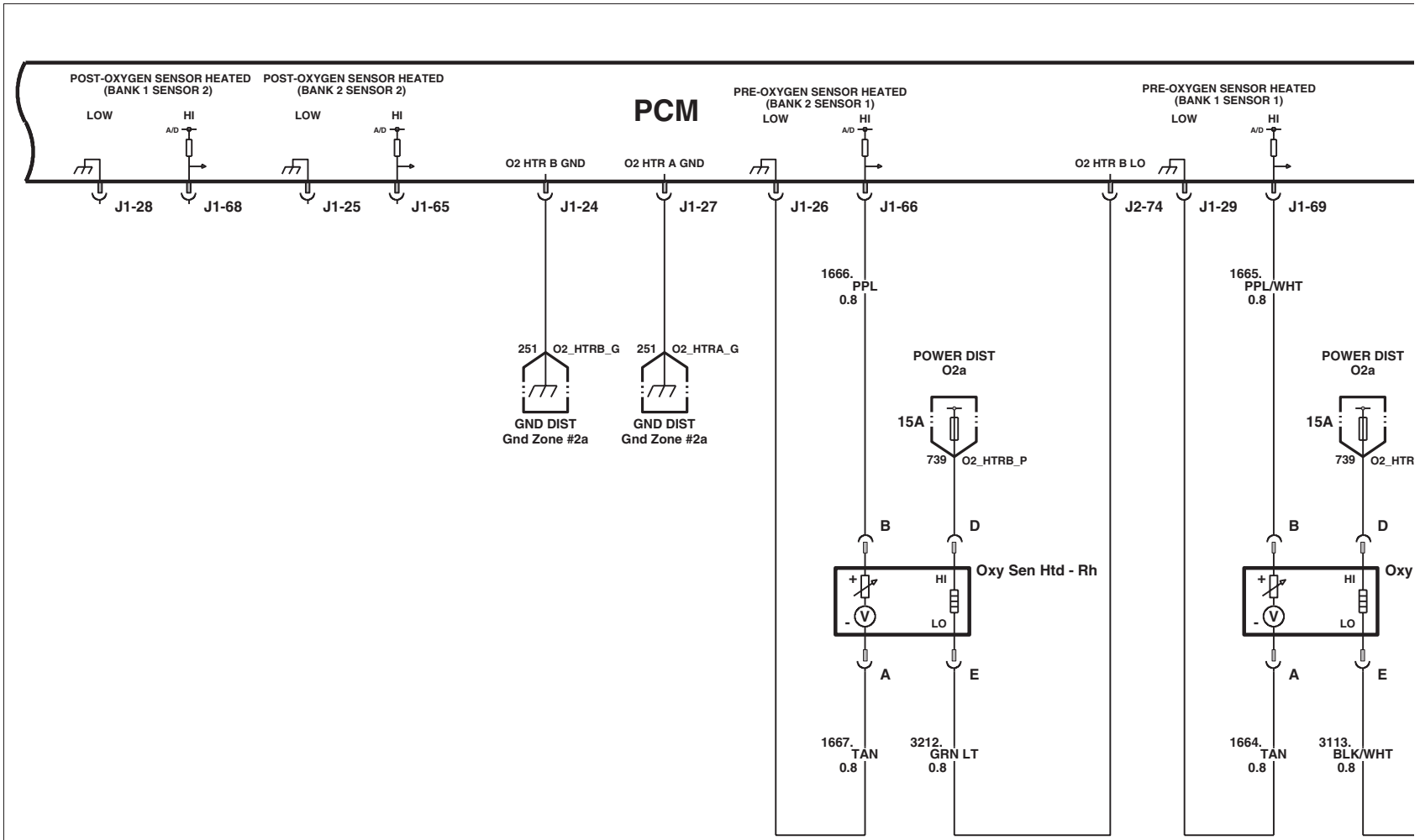
Engine Controls (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020a	001	Beta	0	Agustin Velazquez	7:12:46 am	GMT560
Panel Set: 5 schematic sheet1 2	$IVEDWORK/h73020a__001				Friday, March 31, 2006		Panel Set: 5

Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



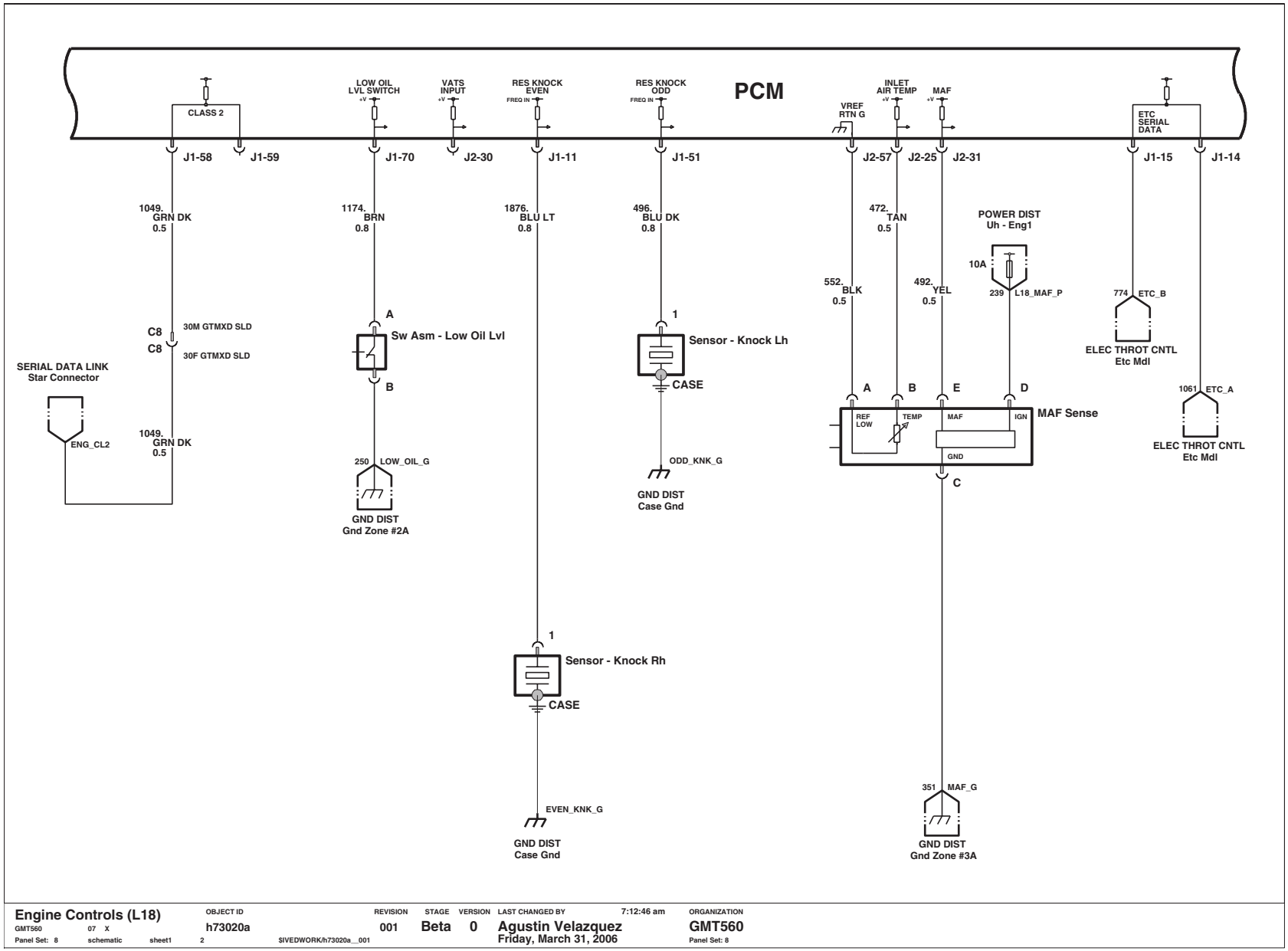
Engine Controls (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:12:46 am	ORGANIZATION
GMT560 07 X	h73020a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 6 schematic sheet1 2	$IVEDWORK/h73020a__001				Friday, March 31, 2006		Panel Set: 6

Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



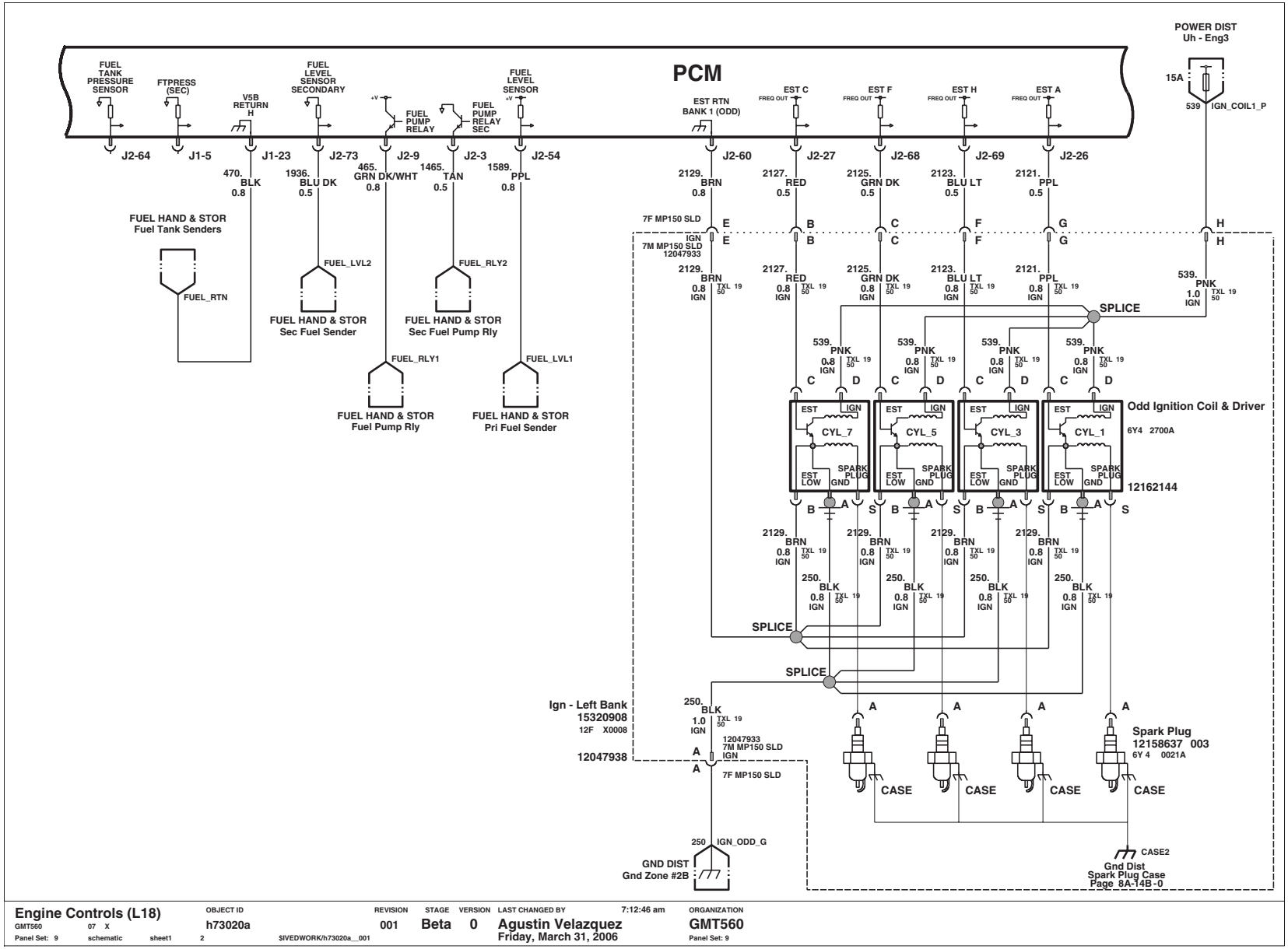
h73020a

Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)

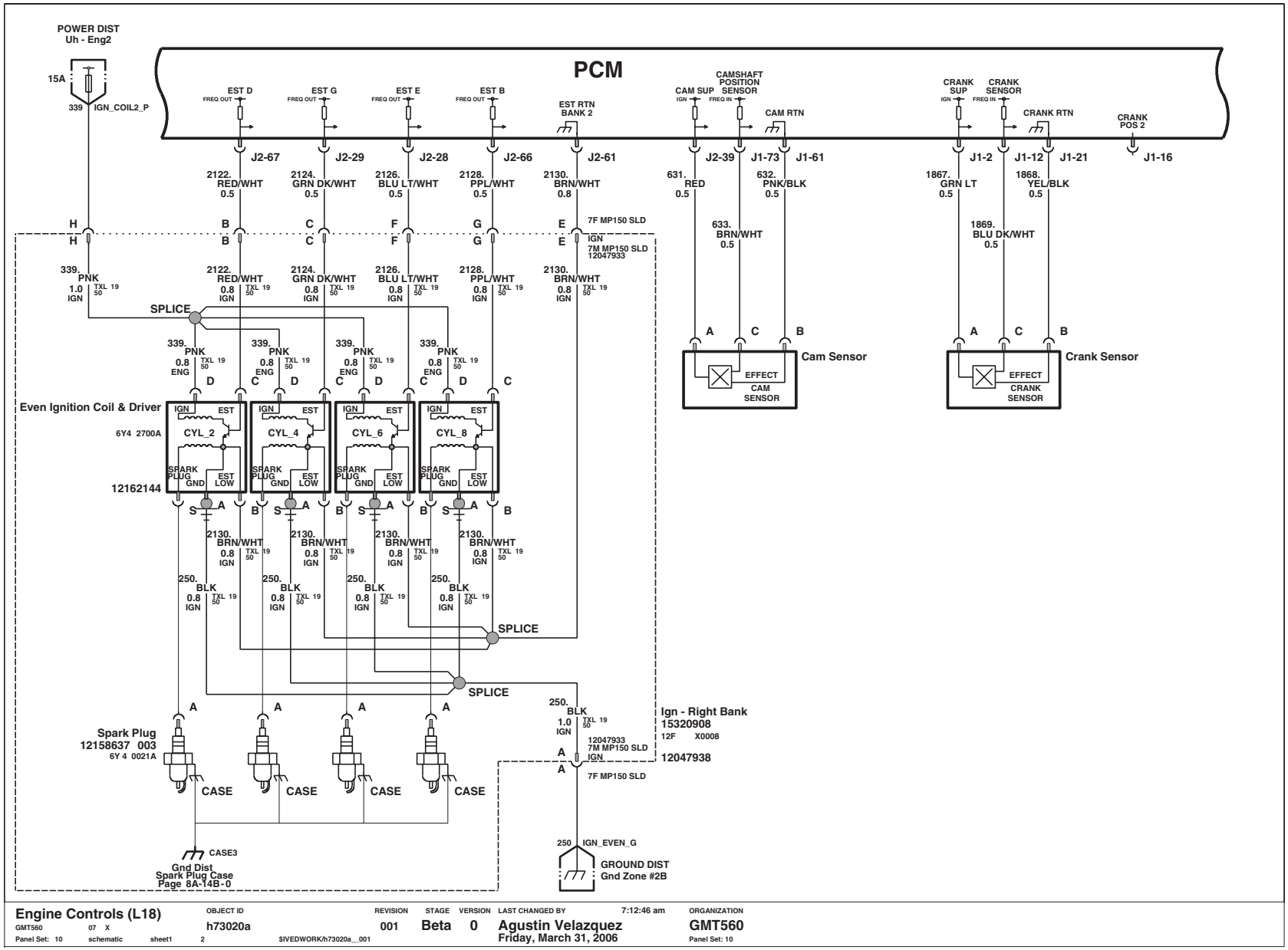


Engine Controls (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:12:46 am	ORGANIZATION
GMT560 07 X	h73020a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 8 schematic sheet1 2	$IVEDWORK/h73020a__001				Friday, March 31, 2006		Panel Set: 8

Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)

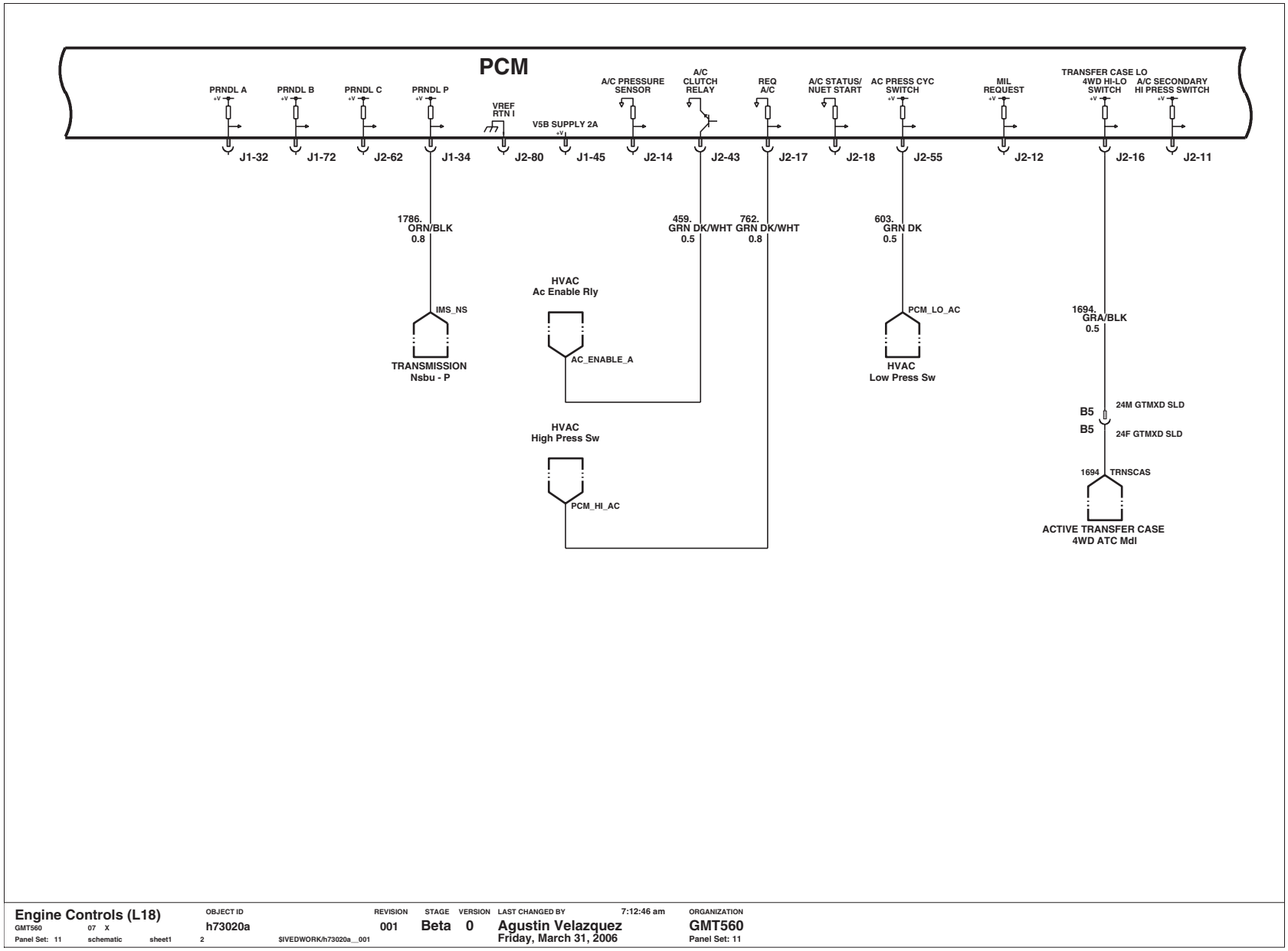


Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



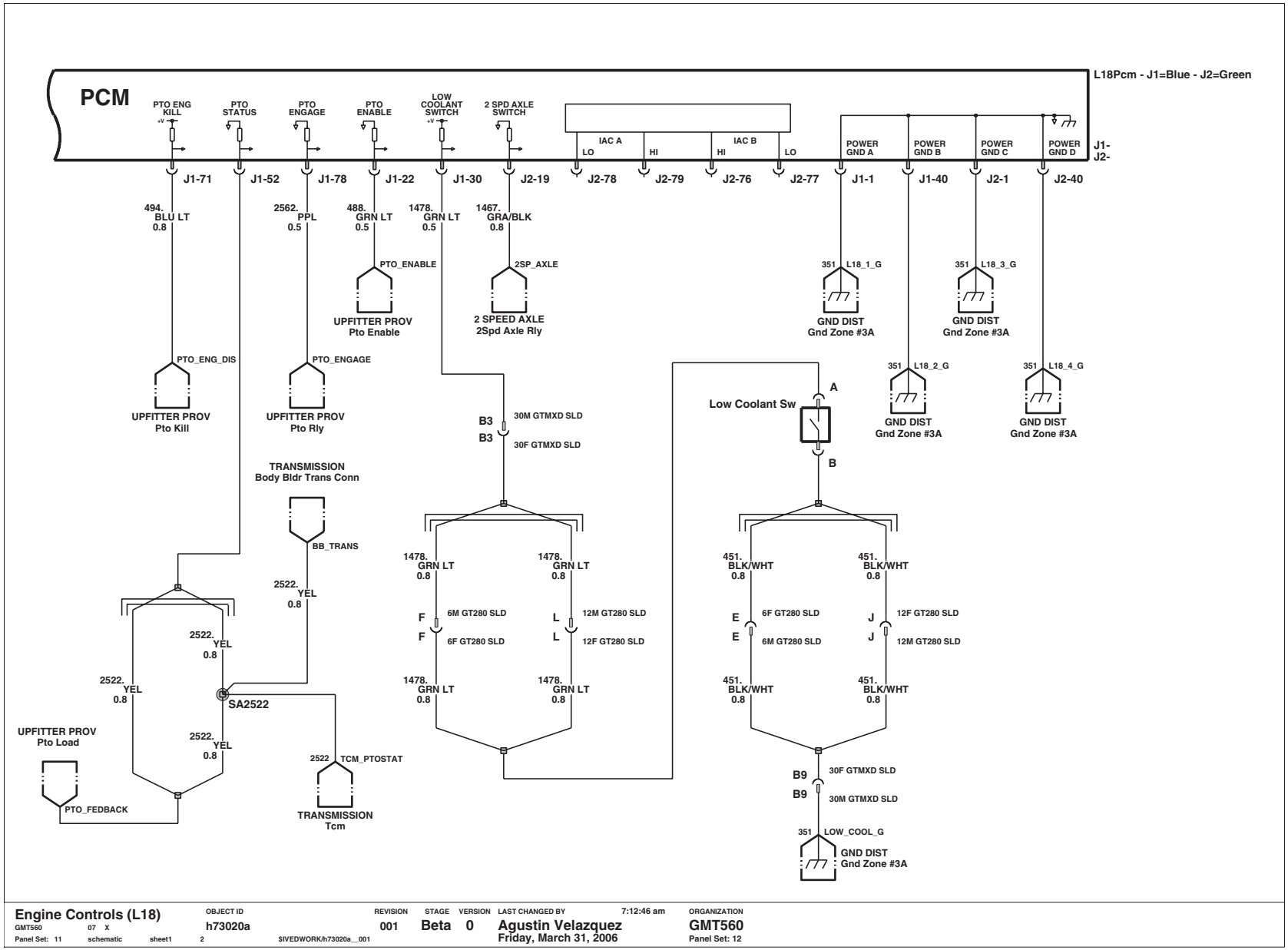
Engine Controls (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:12:46 am	ORGANIZATION
GMT560 07 X	h73020a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 10 schematic sheet1 2	$IVEDWORK/h73020a__001				Friday, March 31, 2006		Panel Set: 10

Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



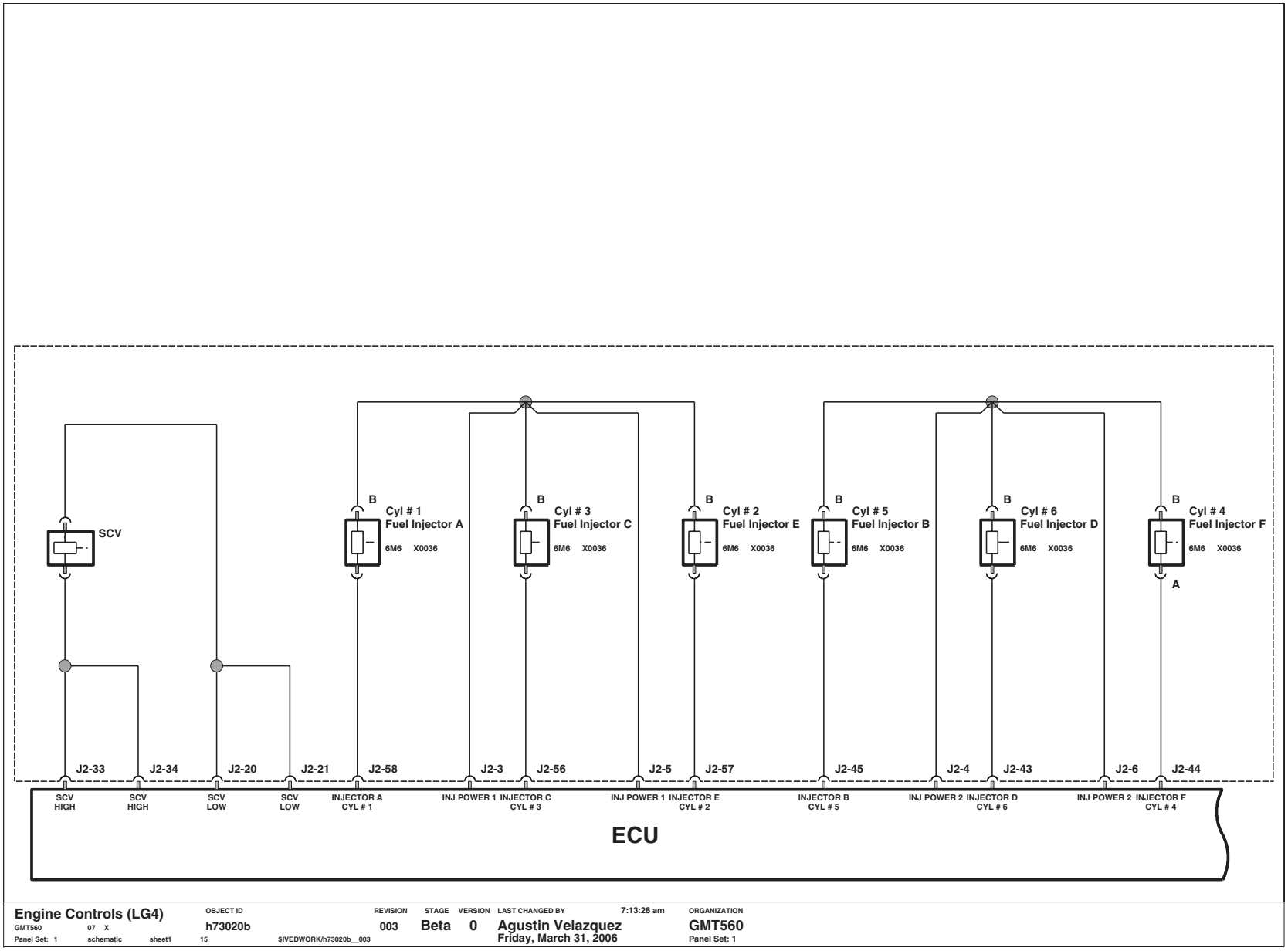
Engine Controls (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:12:46 am	ORGANIZATION	
GMT560 07 X	h73020a	001	Beta	0	Agustin Velazquez		GMT560	
Panel Set: 11 schematic sheet1 2	$IVEDWORK/h73020a__001				Friday, March 31, 2006		Panel Set: 11	

Engine Controls (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)

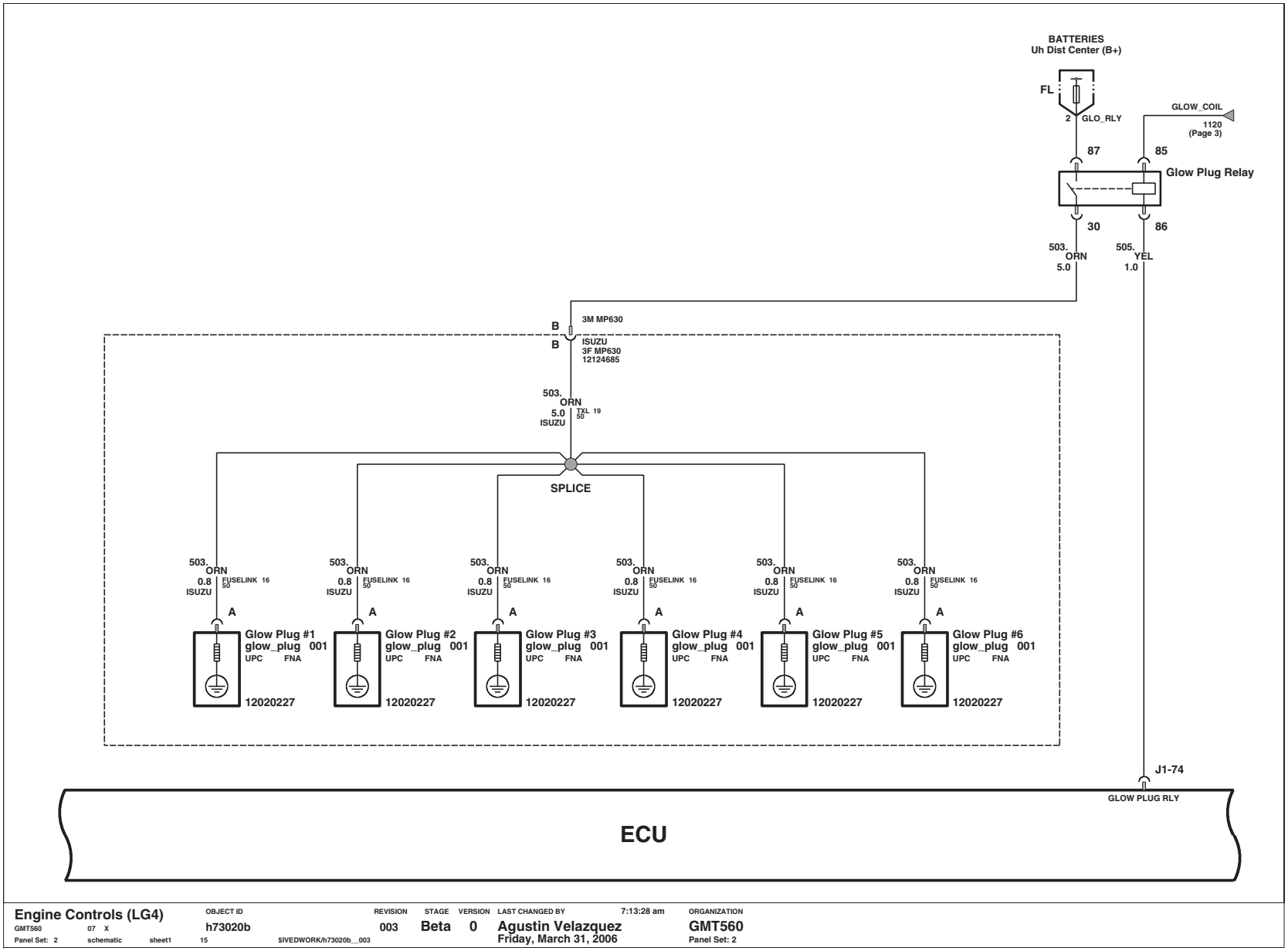


Engine Controls (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020a	001	Beta	0	Agustin Velazquez	7:12:46 am	GMT560
Panel Set: 11 schematic sheet1 2	$IVEDWORK/h73020a__001				Friday, March 31, 2006		Panel Set: 12

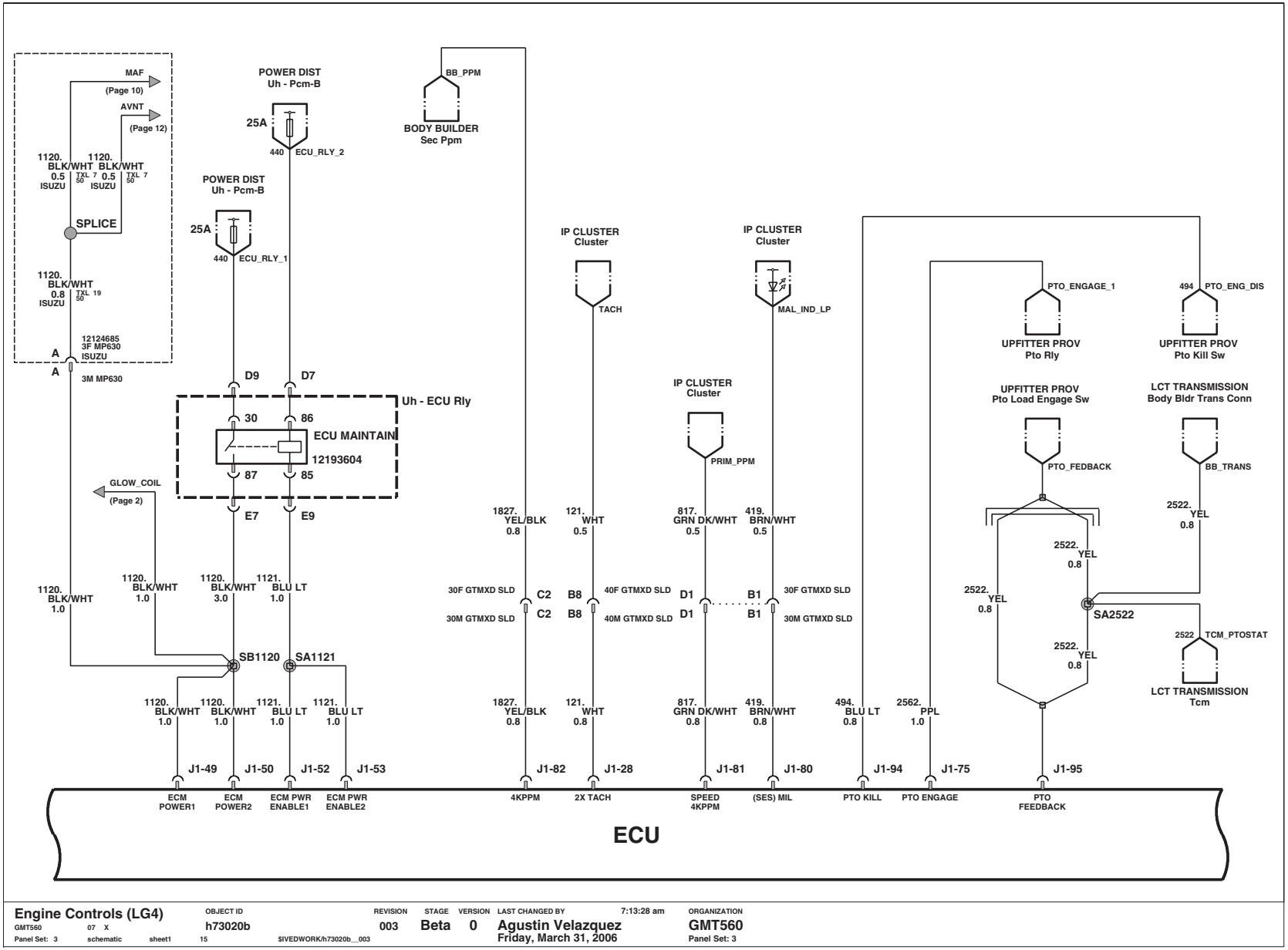
Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel



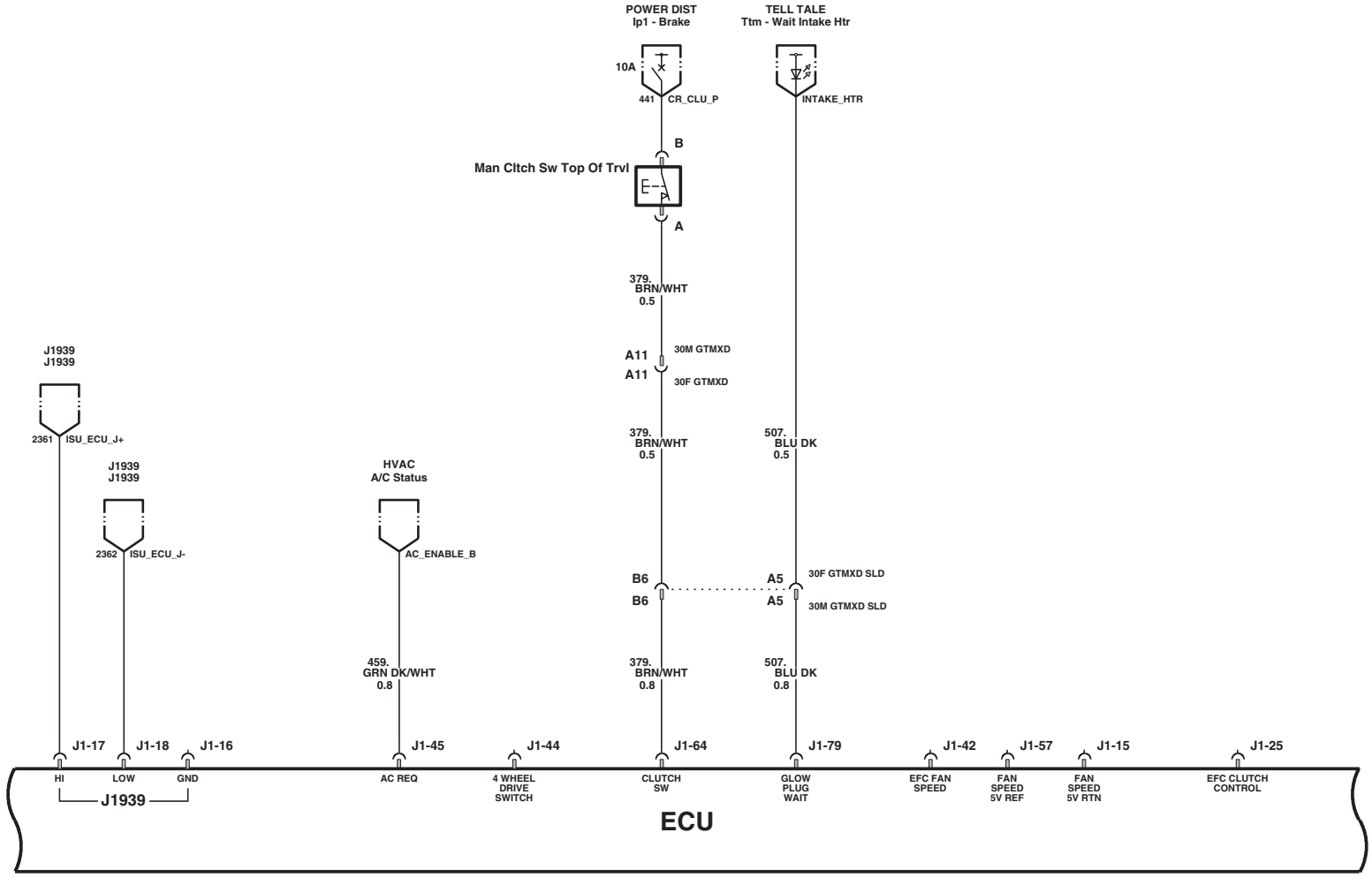
Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

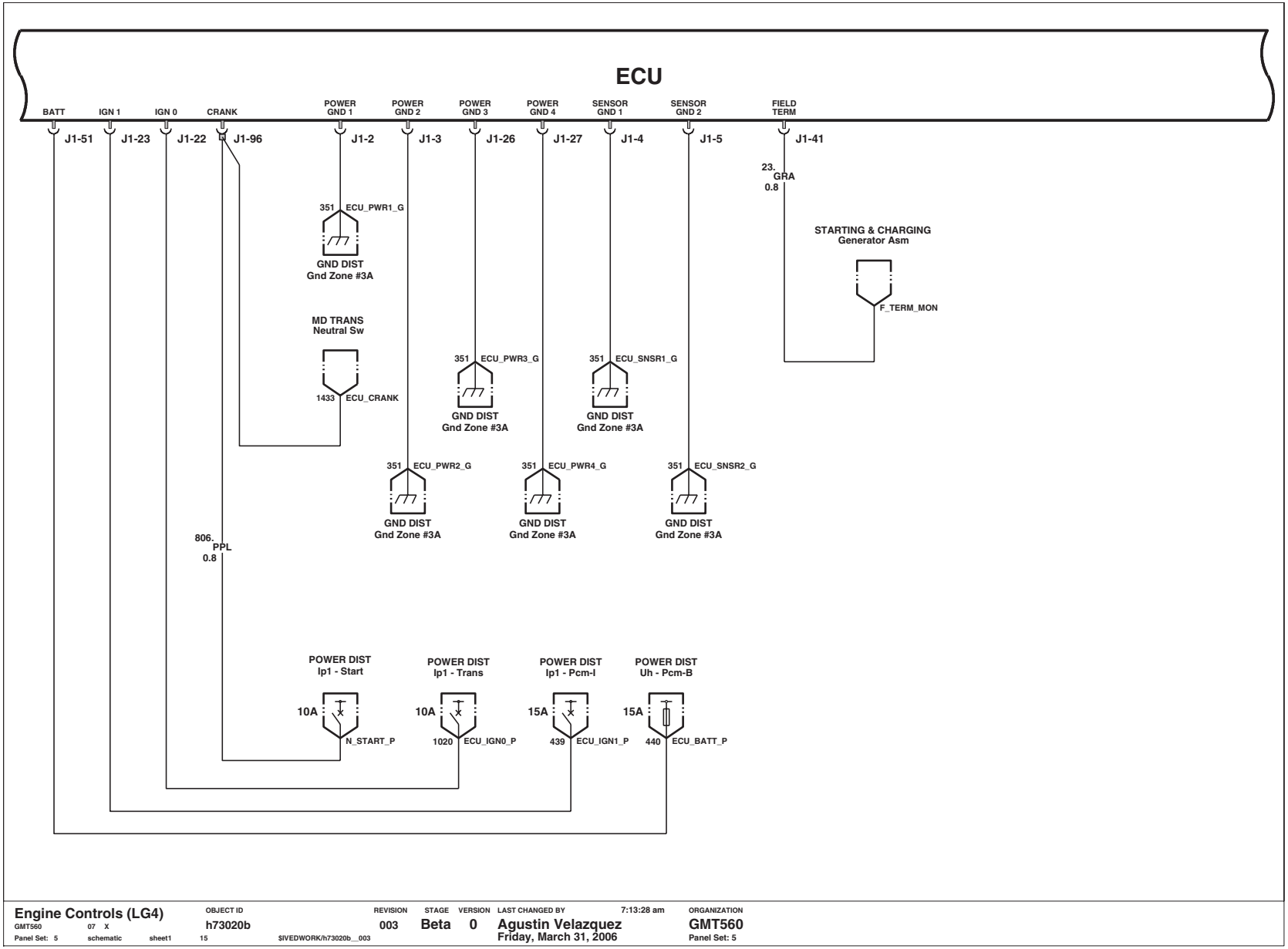


Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



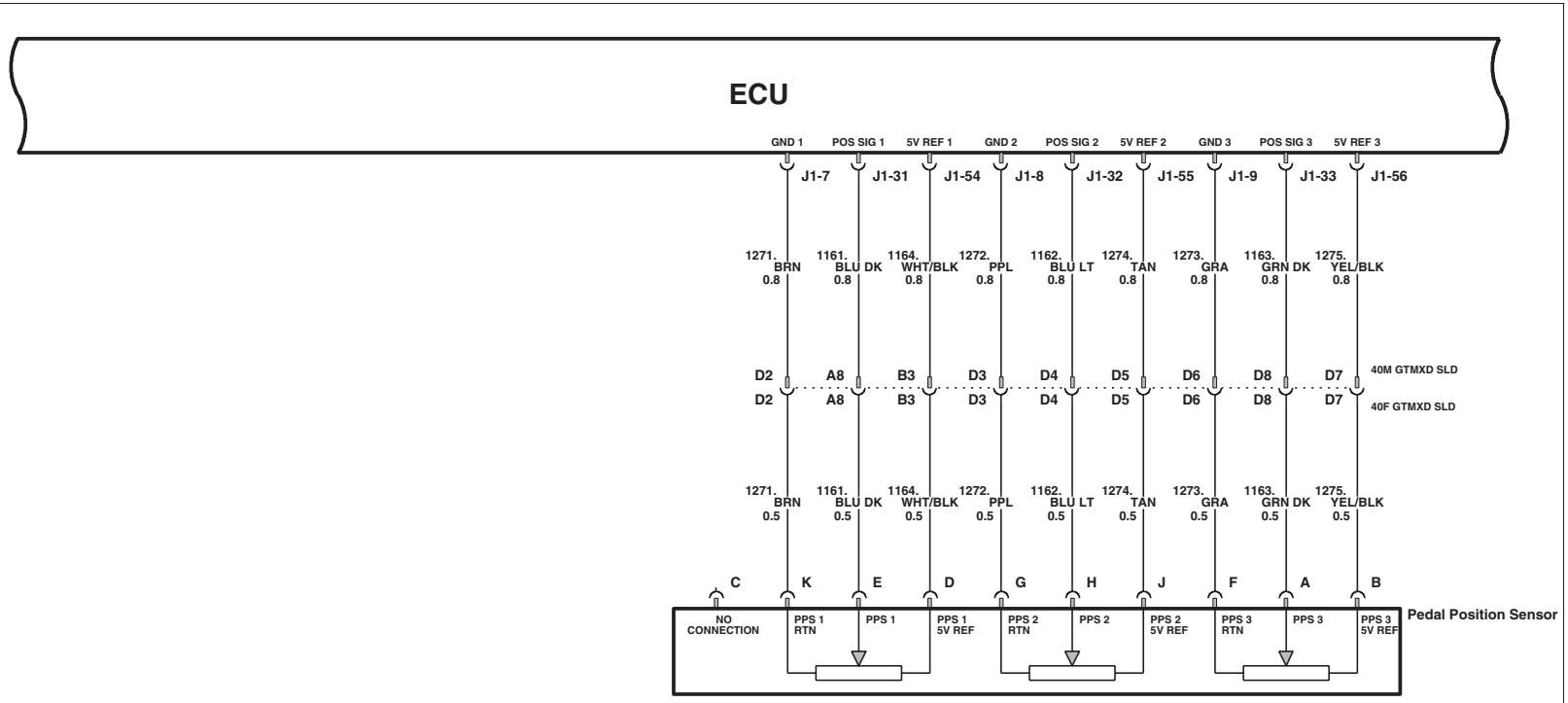
Engine Controls (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:13:28 am	ORGANIZATION
GMT560 07 X	h73020b	003	Beta	0	Agustin Velazquez		GMT560
Panel Set: 4 schematic sheet1 15	$IVEDWORK/h73020b__003				Friday, March 31, 2006		Panel Set: 4

Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



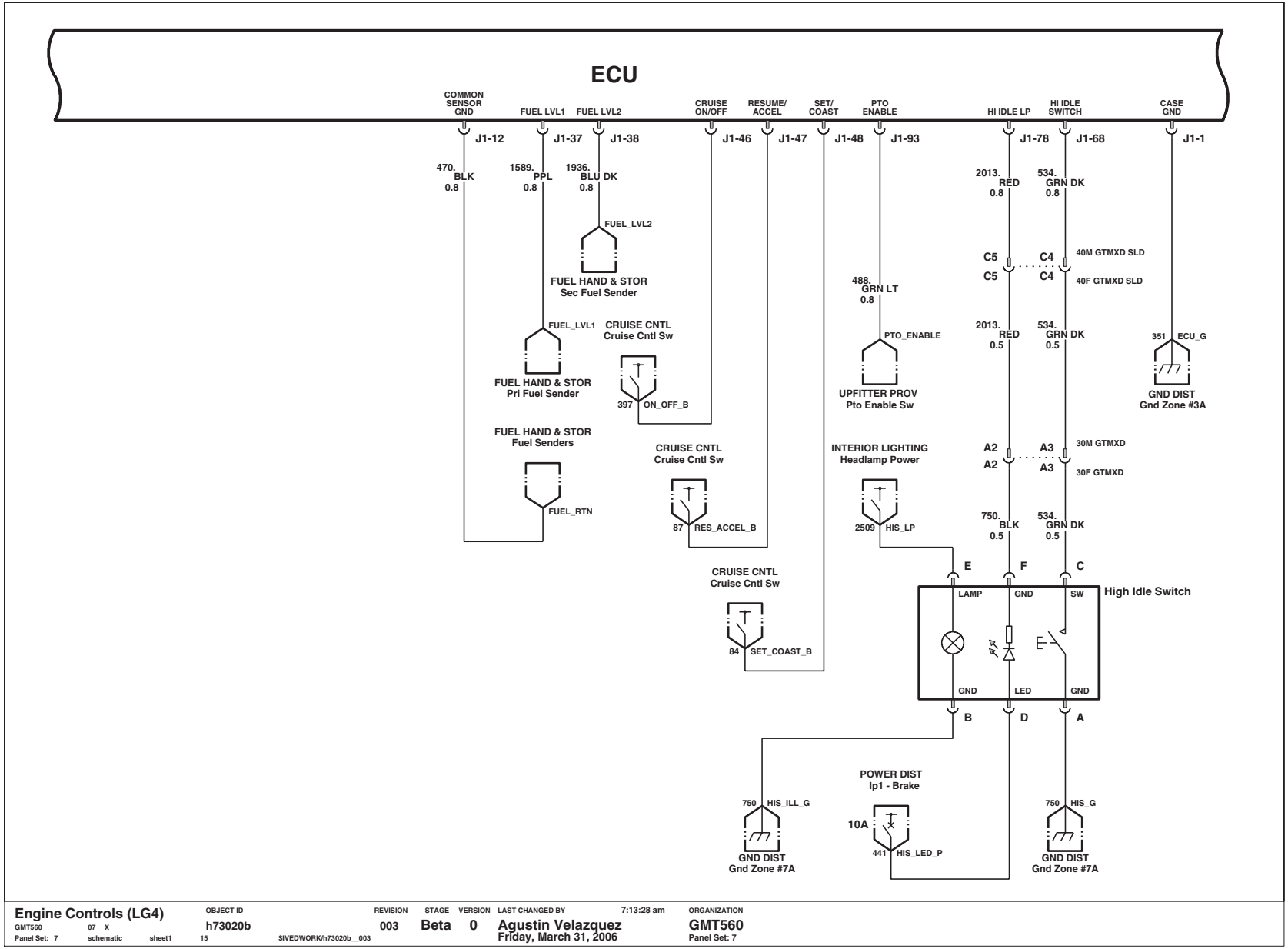
Engine Controls (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:13:28 am	ORGANIZATION
GMT560 07 X	h73020b	003	Beta	0	Agustin Velazquez		GMT560
Panel Set: 5 schematic sheet1 15	$IVEDWORK/h73020b__003				Friday, March 31, 2006		Panel Set: 5

Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

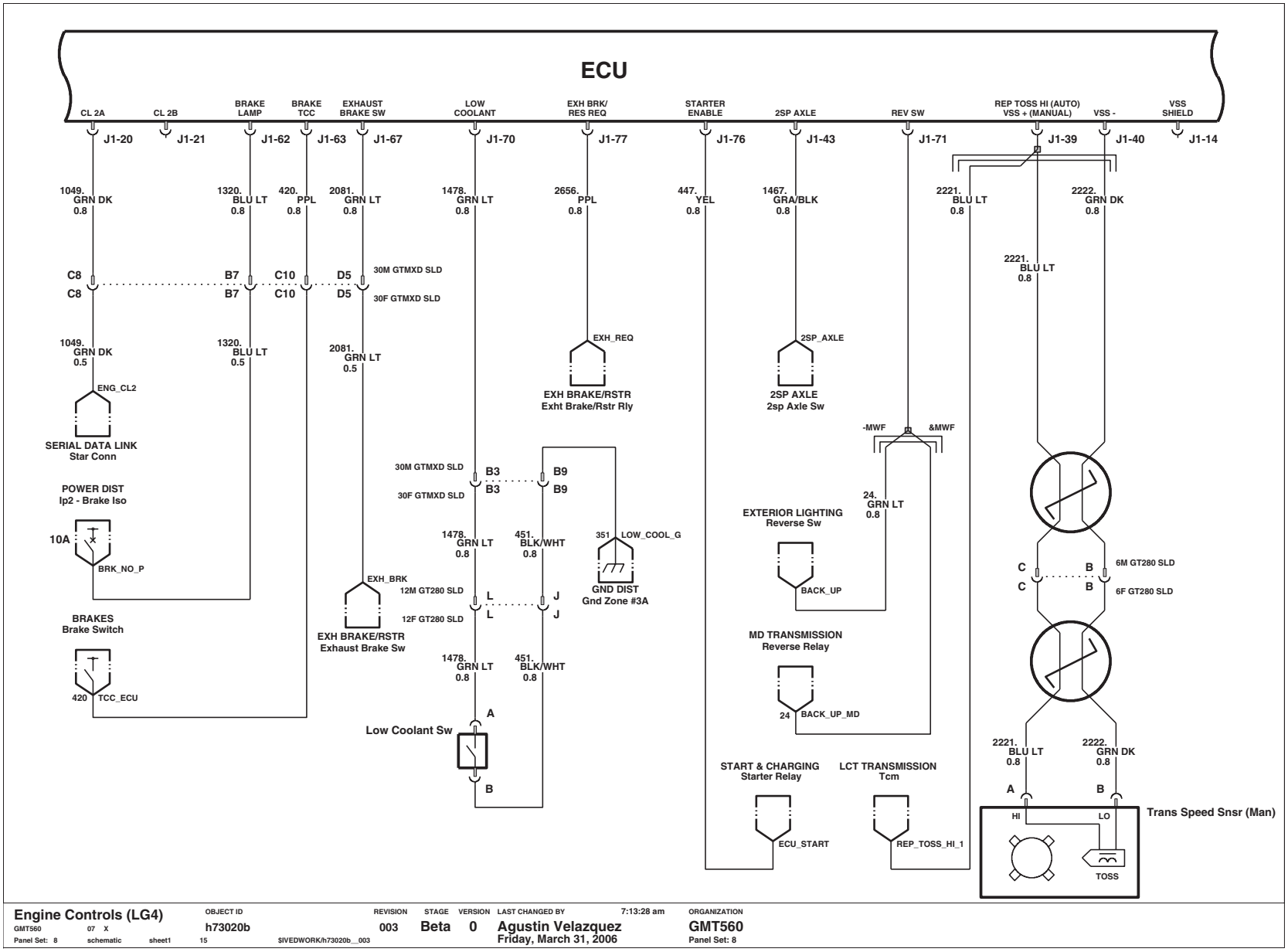


Engine Controls (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020b	003	Beta	0	Agustin Velazquez	7:13:28 am	GMT560
Panel Set: 6 schematic sheet1 15	$IVEDWORK/h73020b__003				Friday, March 31, 2006		Panel Set: 6

Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

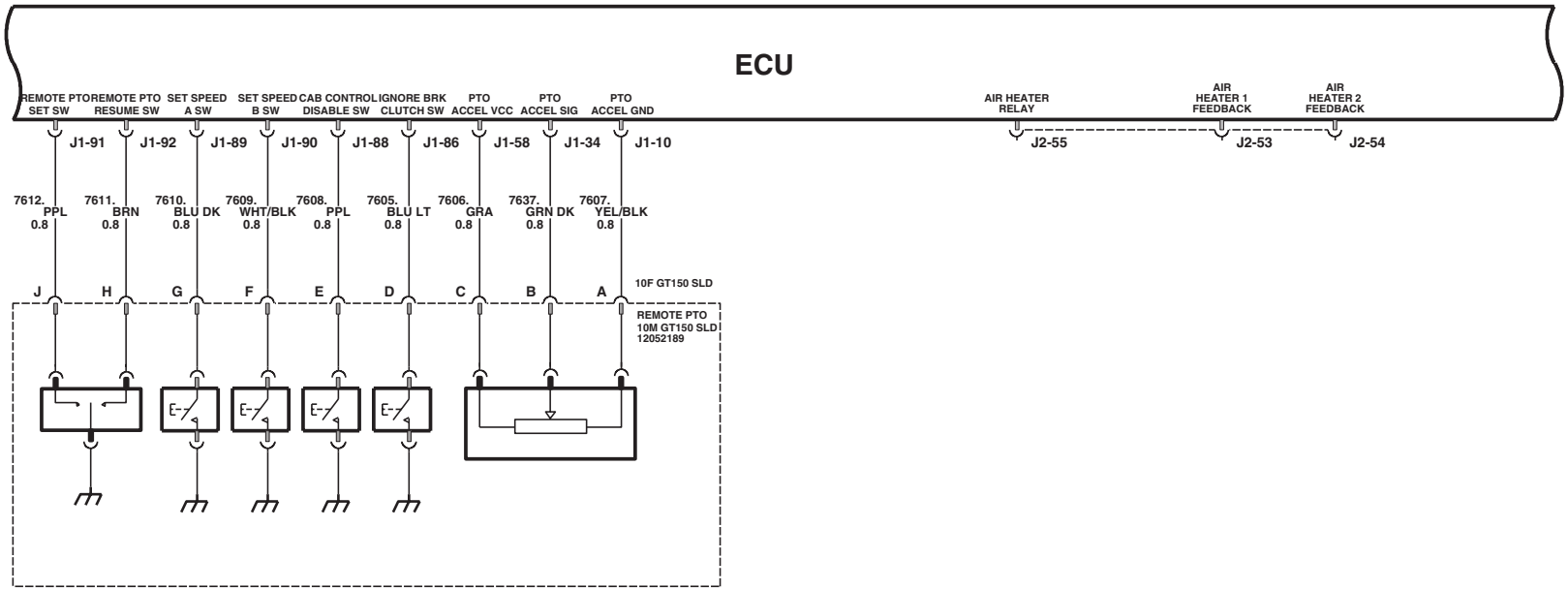


Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



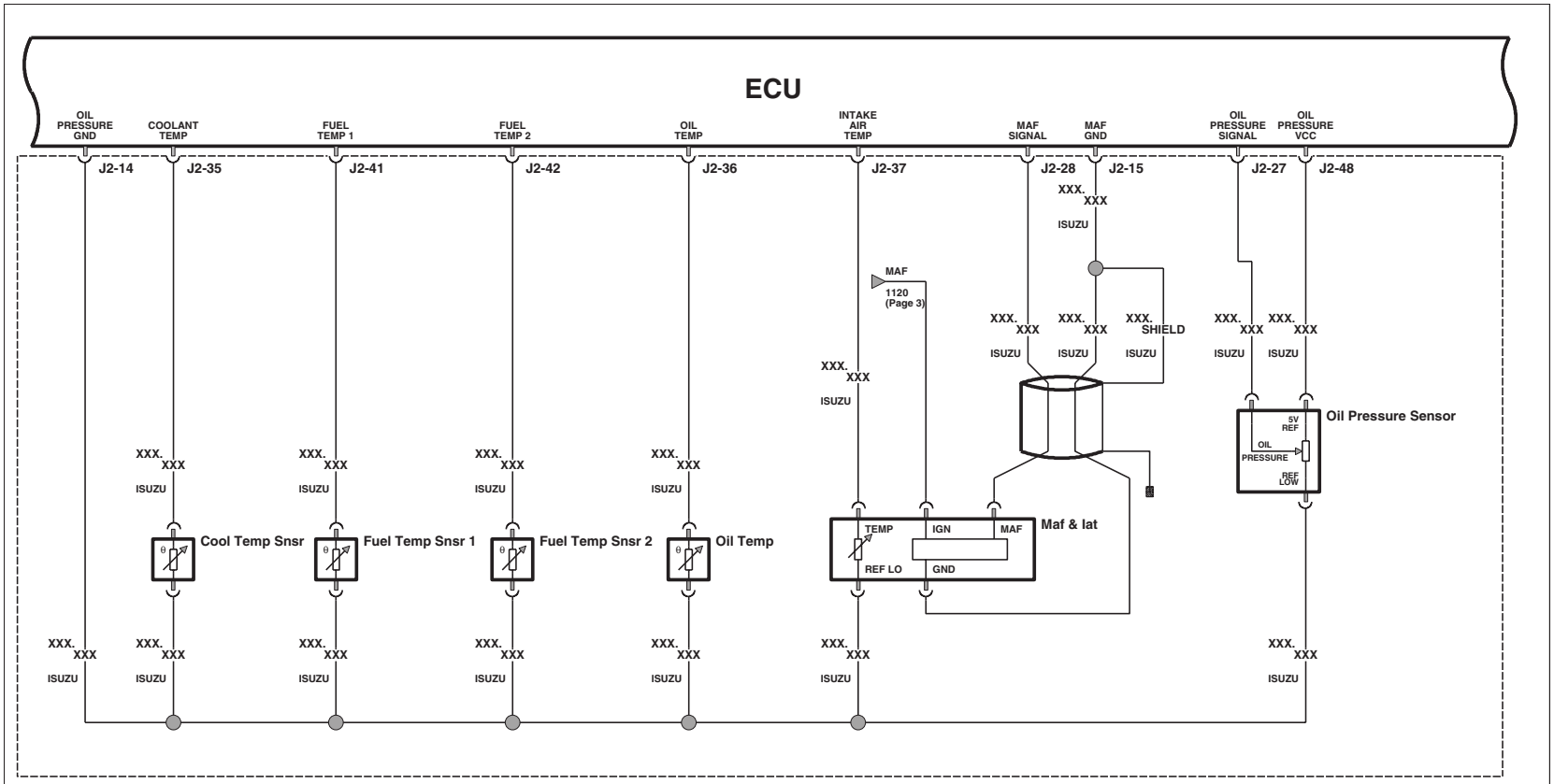
Engine Controls (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:13:28 am	ORGANIZATION
GMT560 07 X	h73020b	003	Beta	0	Agustin Velazquez		GMT560
Panel Set: 8 schematic sheet1 15	$IVEDWORK/h73020b__003				Friday, March 31, 2006		Panel Set: 8

Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



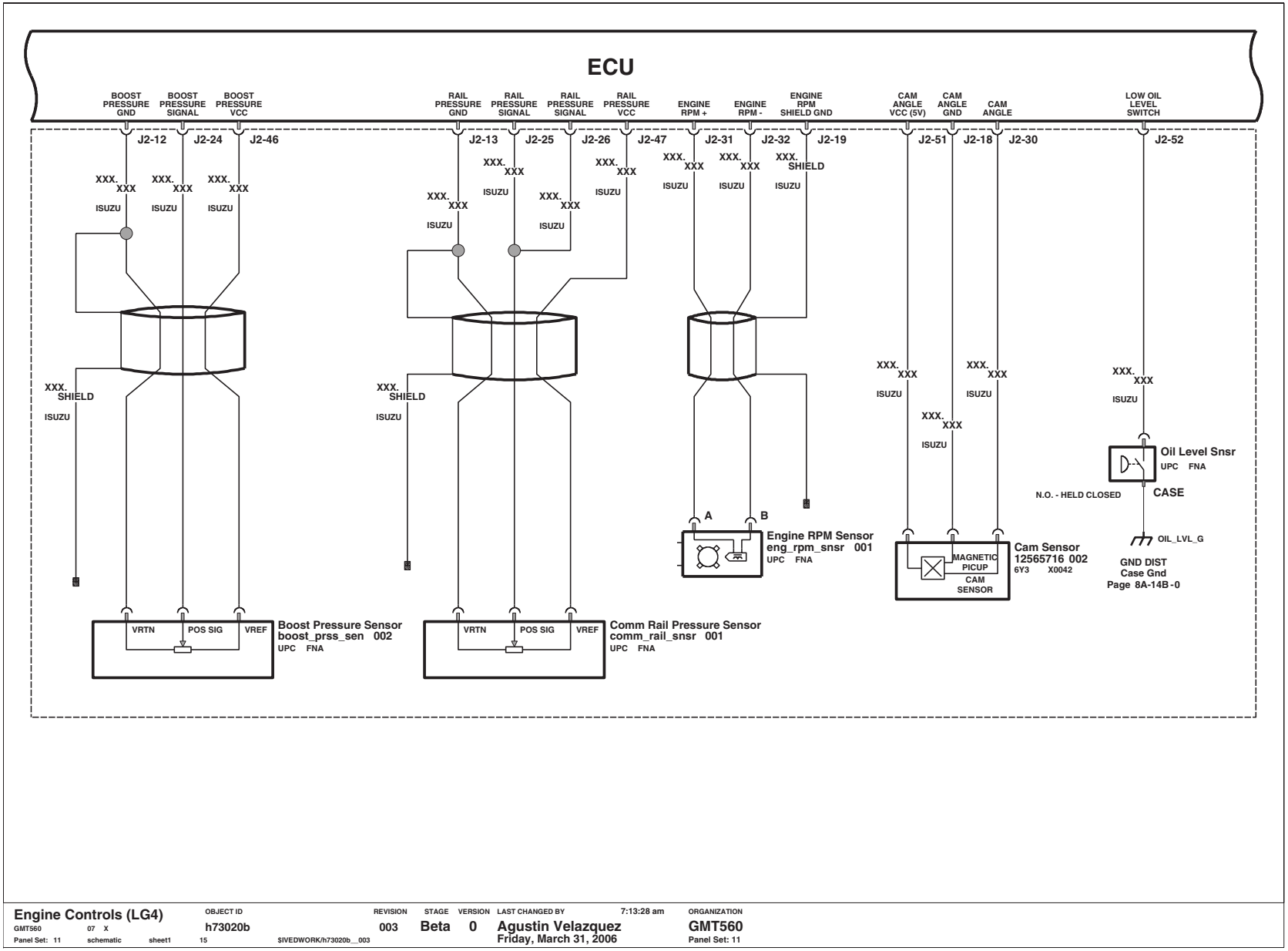
Engine Controls (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020b	003	Beta	0	Agustin Velazquez	7:13:28 am	GMT560
Panel Set: 9 schematic sheet1 15	$IVEDWORK/h73020b__003				Friday, March 31, 2006		Panel Set: 9

Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



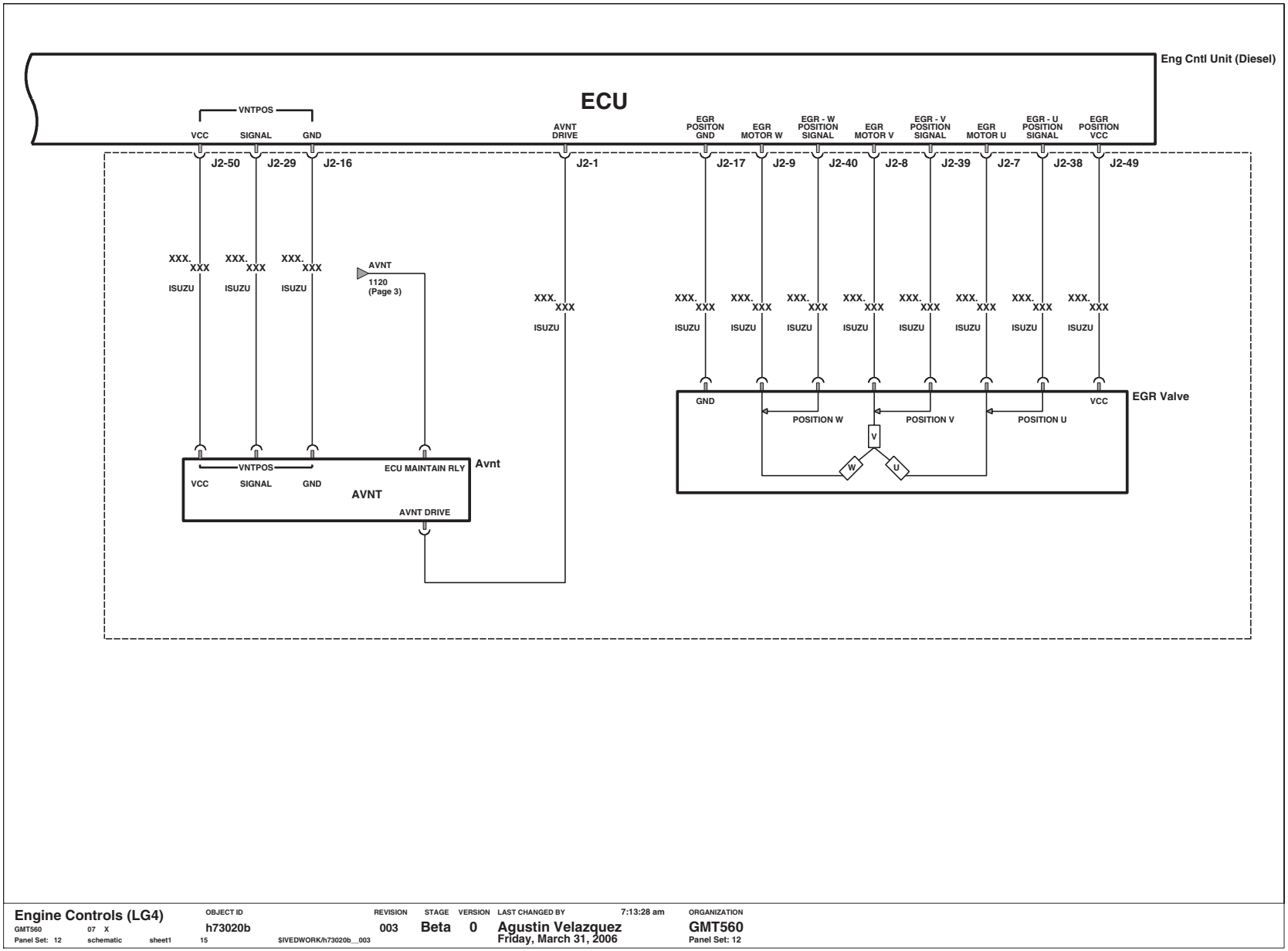
Engine Controls (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020b	003	Beta	0	Agustin Velazquez	7:13:28 am	GMT560
Panel Set: 10 schematic sheet1 15	$IVEDWORK/h73020b__003				Friday, March 31, 2006		Panel Set: 10

Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



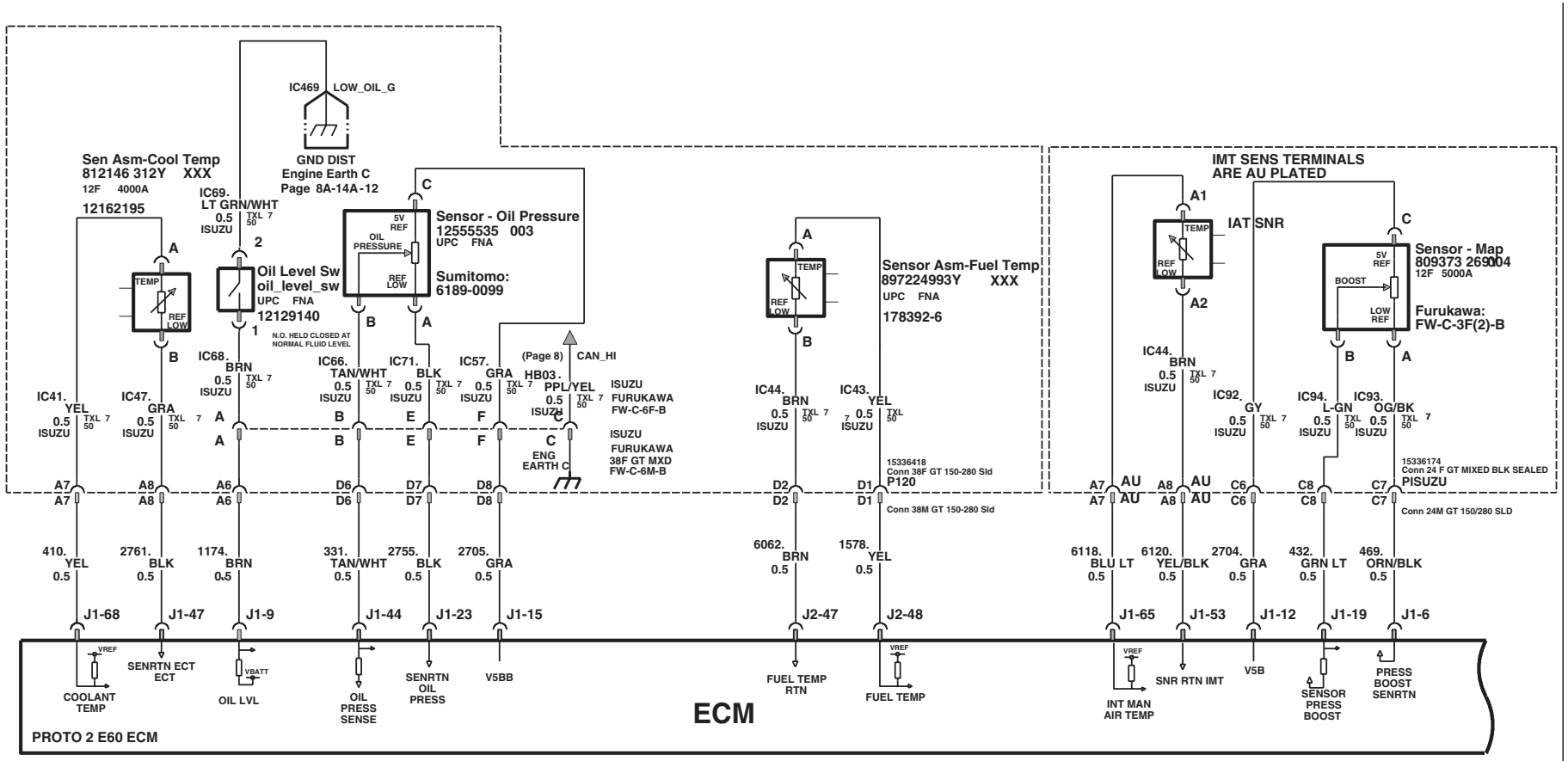
Engine Controls (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:13:28 am	ORGANIZATION
GMT560 07 X	h73020b	003	Beta	0	Agustin Velazquez		GMT560
Panel Set: 11 schematic sheet1 15	$IVEDWORK/h73020b__003				Friday, March 31, 2006		Panel Set: 11

Engine Controls (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



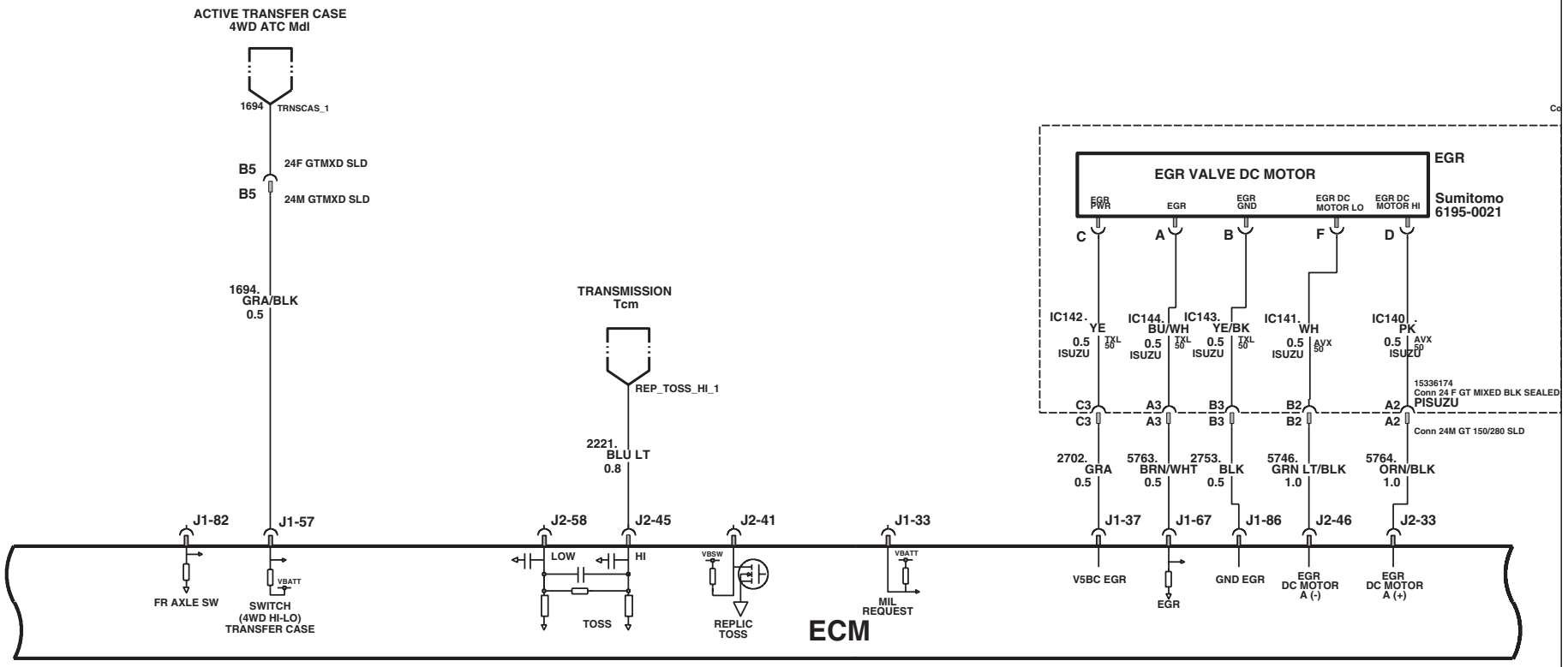
Engine Controls (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020b	003	Beta	0	Agustin Velazquez	7:13:28 am	GMT560
Panel Set: 12 schematic sheet1 15	$IVEDWORK/h73020b__003				Friday, March 31, 2006		Panel Set: 12

Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel



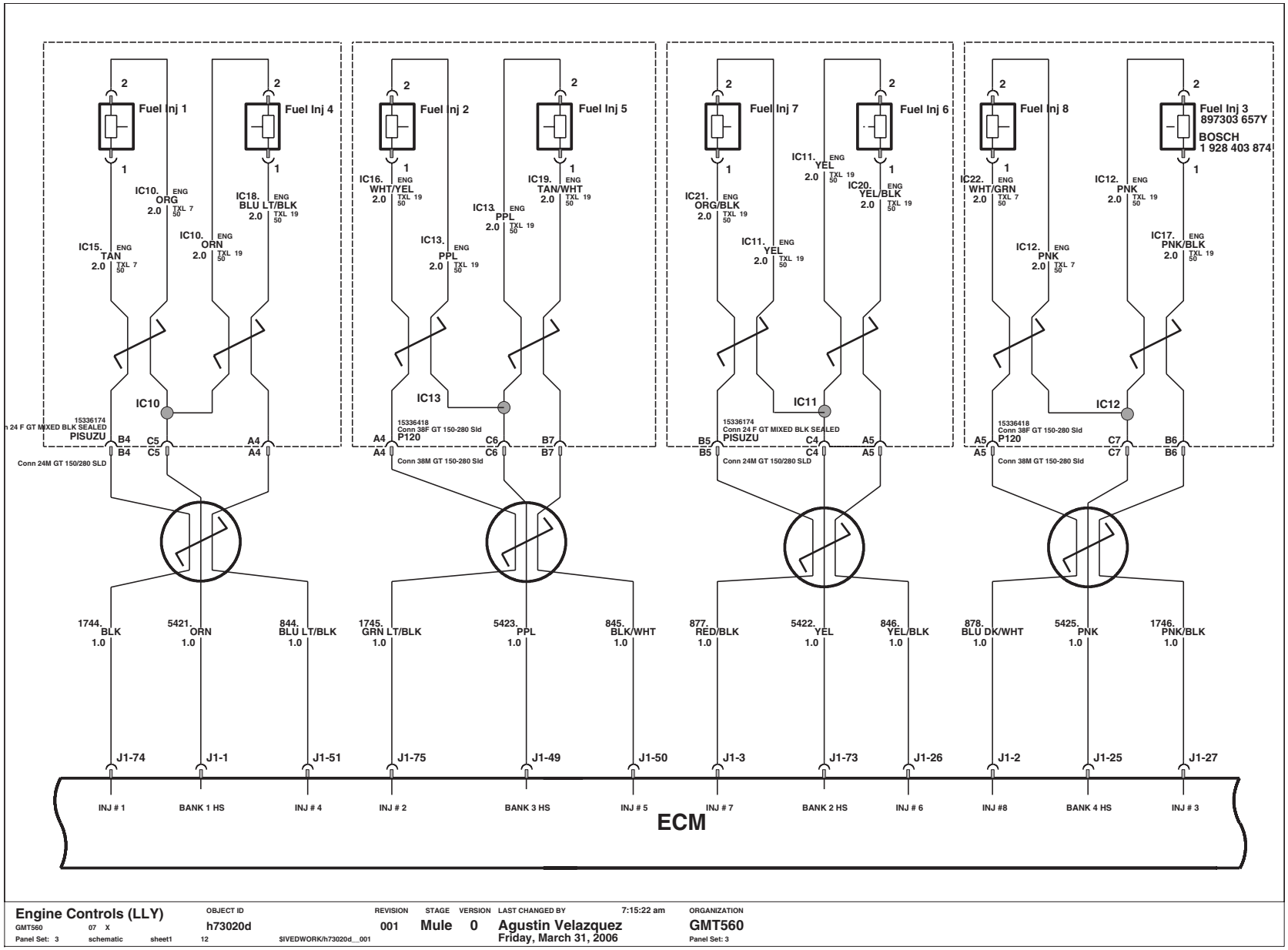
Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:15:22 am	ORGANIZATION
GMT560 07 X	h73020d	001	Mule	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 12	$IVEDWORK/h73020d__001				Friday, March 31, 2006		Panel Set: 1

Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

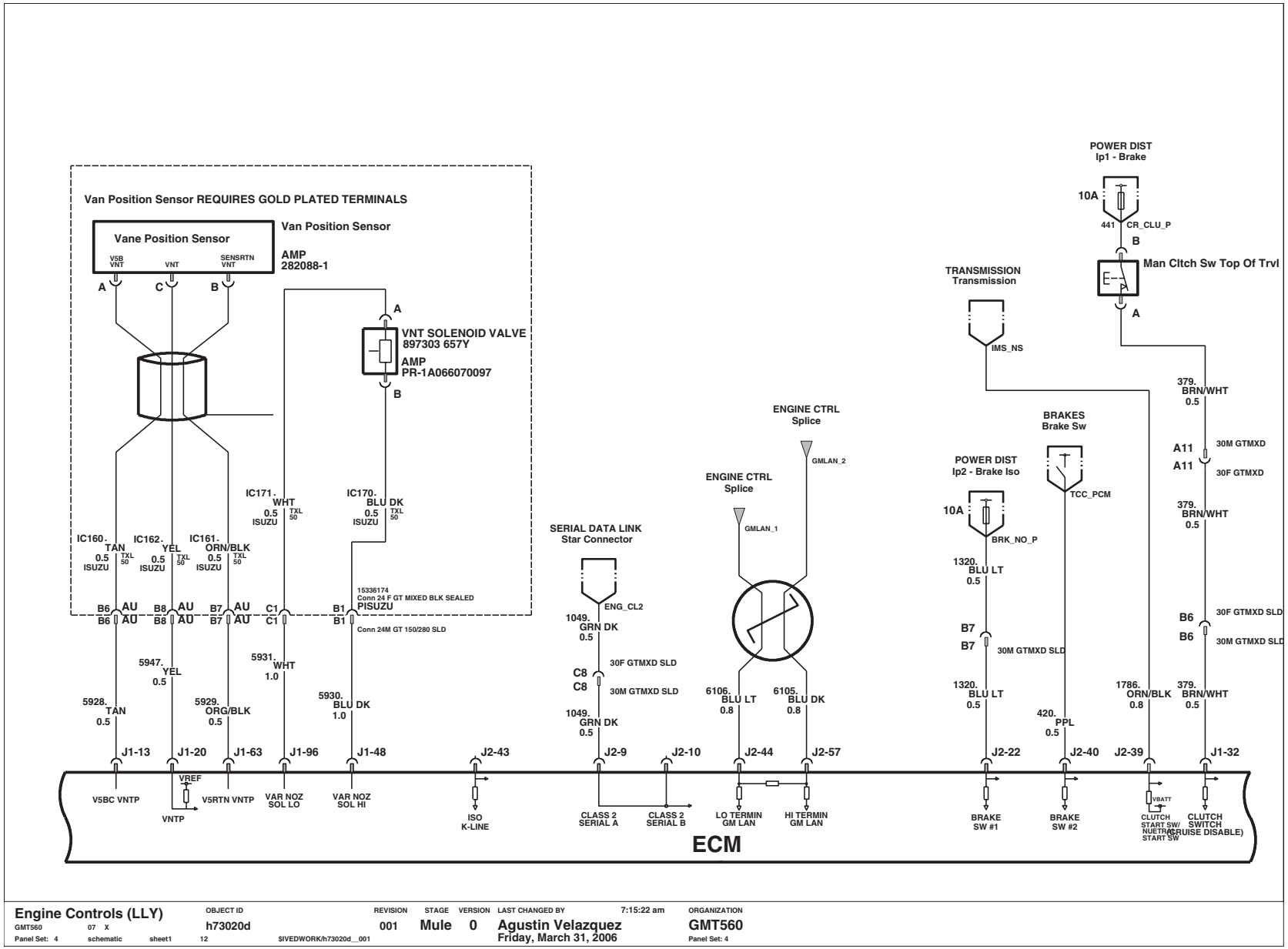


Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020d	001	Mule	0	Agustin Velazquez	7:15:22 am	GMT560
Panel Set: 2 schematic sheet1 12	$IVEDWORK/h73020d__001				Friday, March 31, 2006		Panel Set: 2

Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

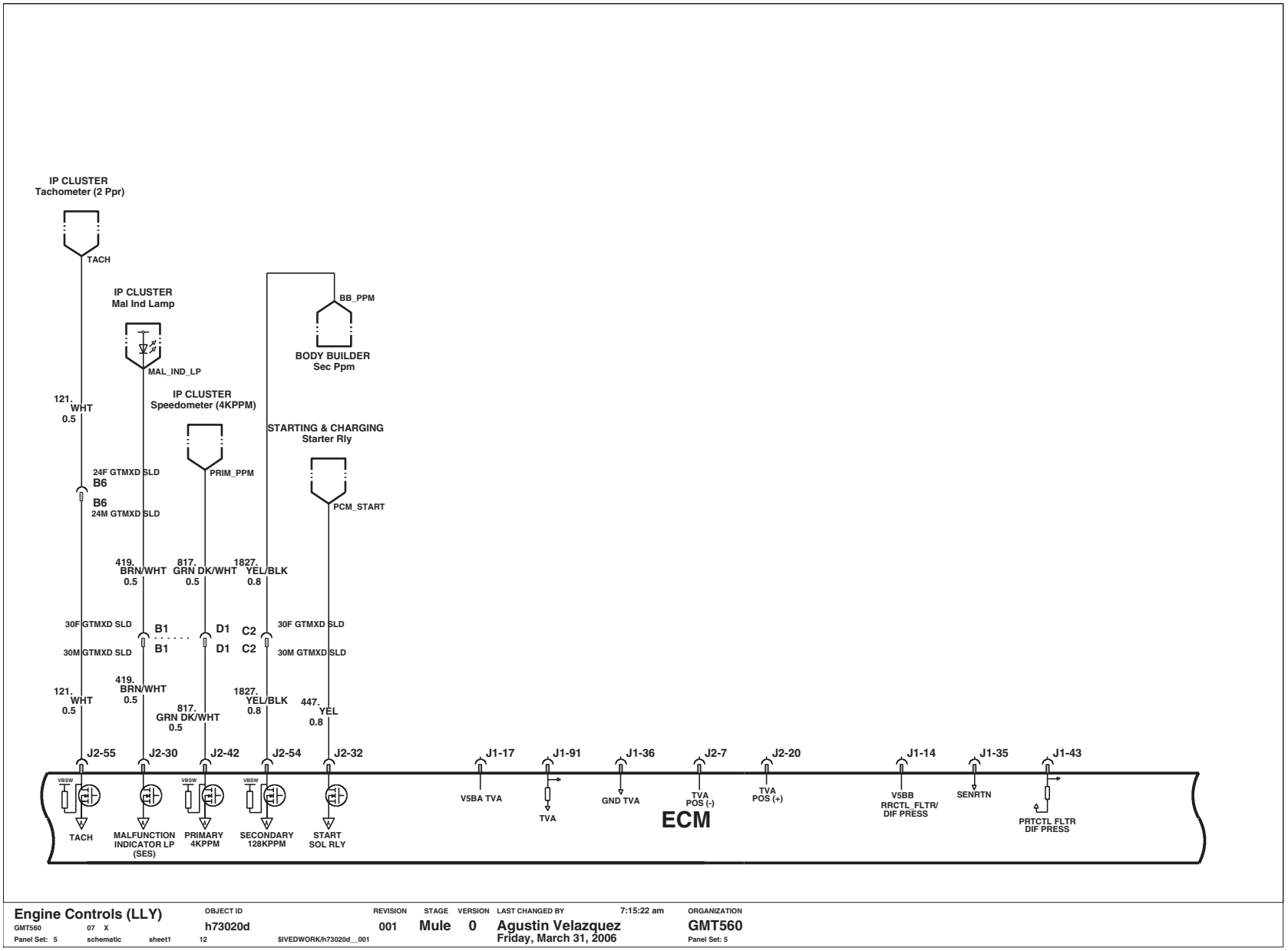


Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



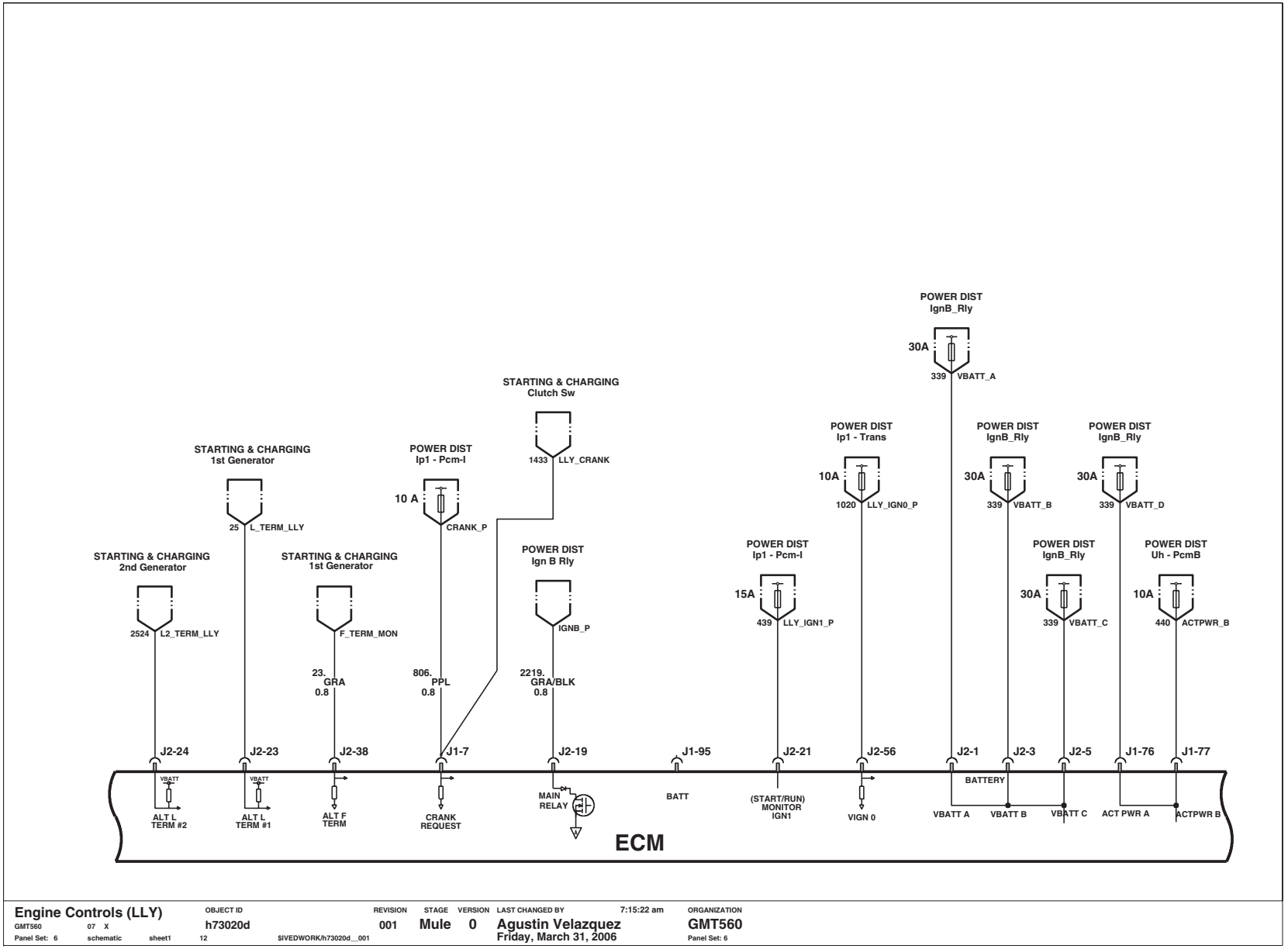
Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020d	001	Mule	0	Agustin Velazquez	7:15:22 am	GMT560
Panel Set: 4 schematic sheet1 12	$IVEDWORK/h73020d__001				Friday, March 31, 2006		Panel Set: 4

Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



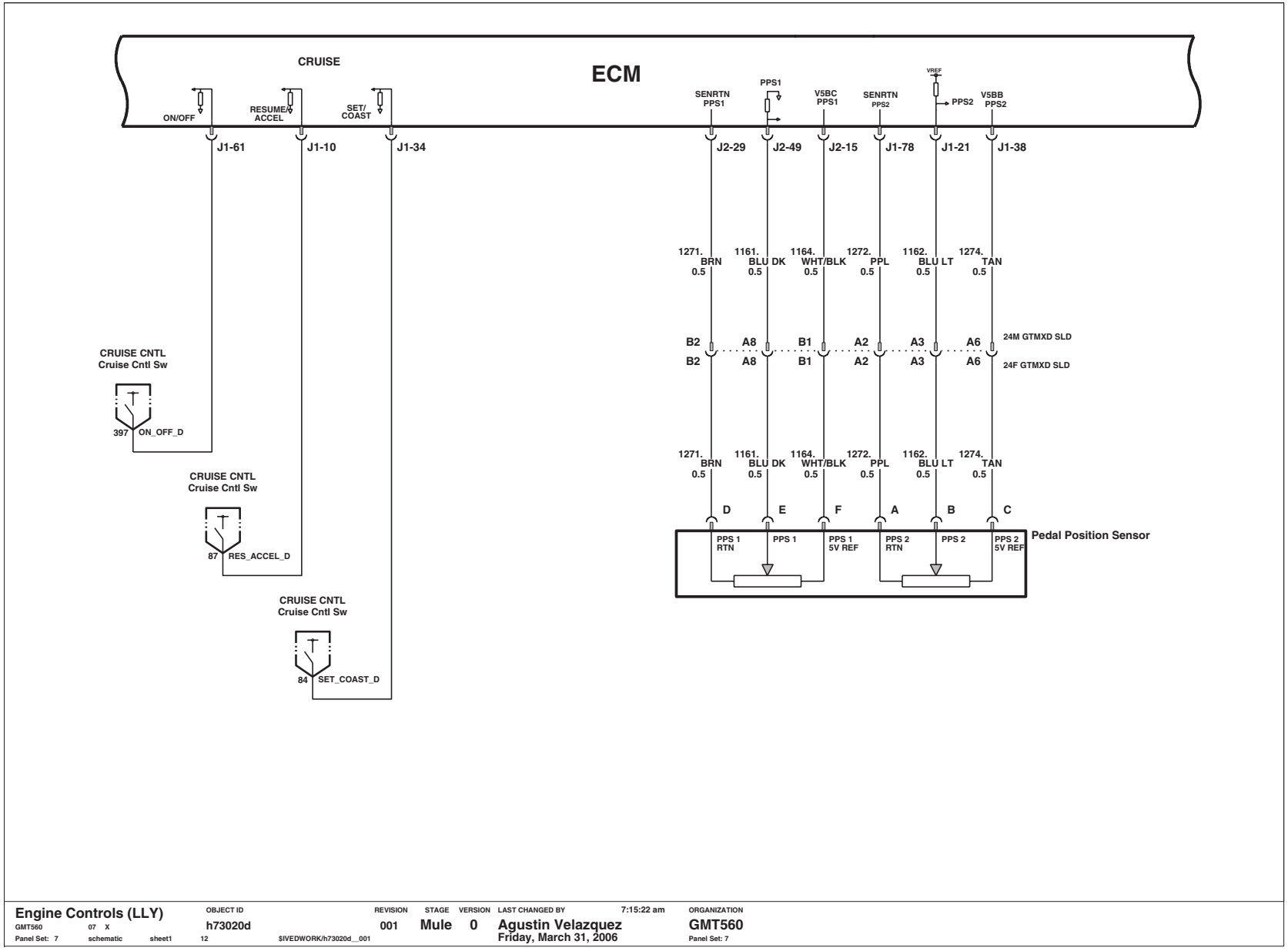
Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020d	001	Mule	0	Agustin Velazquez	7:15:22 am	GMT560
Panel Set: 5 schematic sheet1 12	$IVEDWORK/h73020d__001				Friday, March 31, 2006		Panel Set: 5

Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



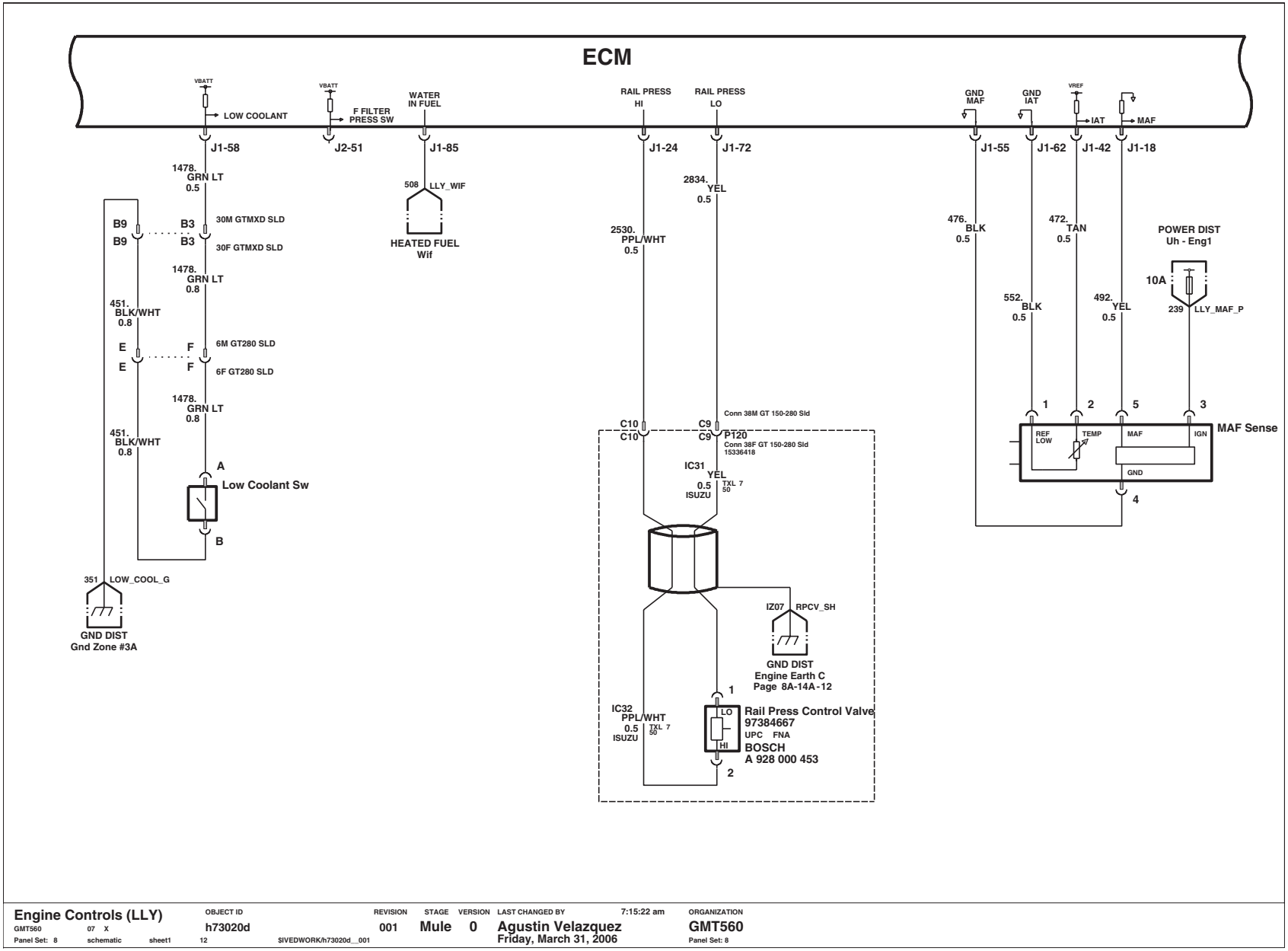
Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020d	001	Mule	0	Agustin Velazquez	7:15:22 am	GMT560
Panel Set: 6 schematic sheet1 12	$IVEDWORK/h73020d__001				Friday, March 31, 2006		Panel Set: 6

Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



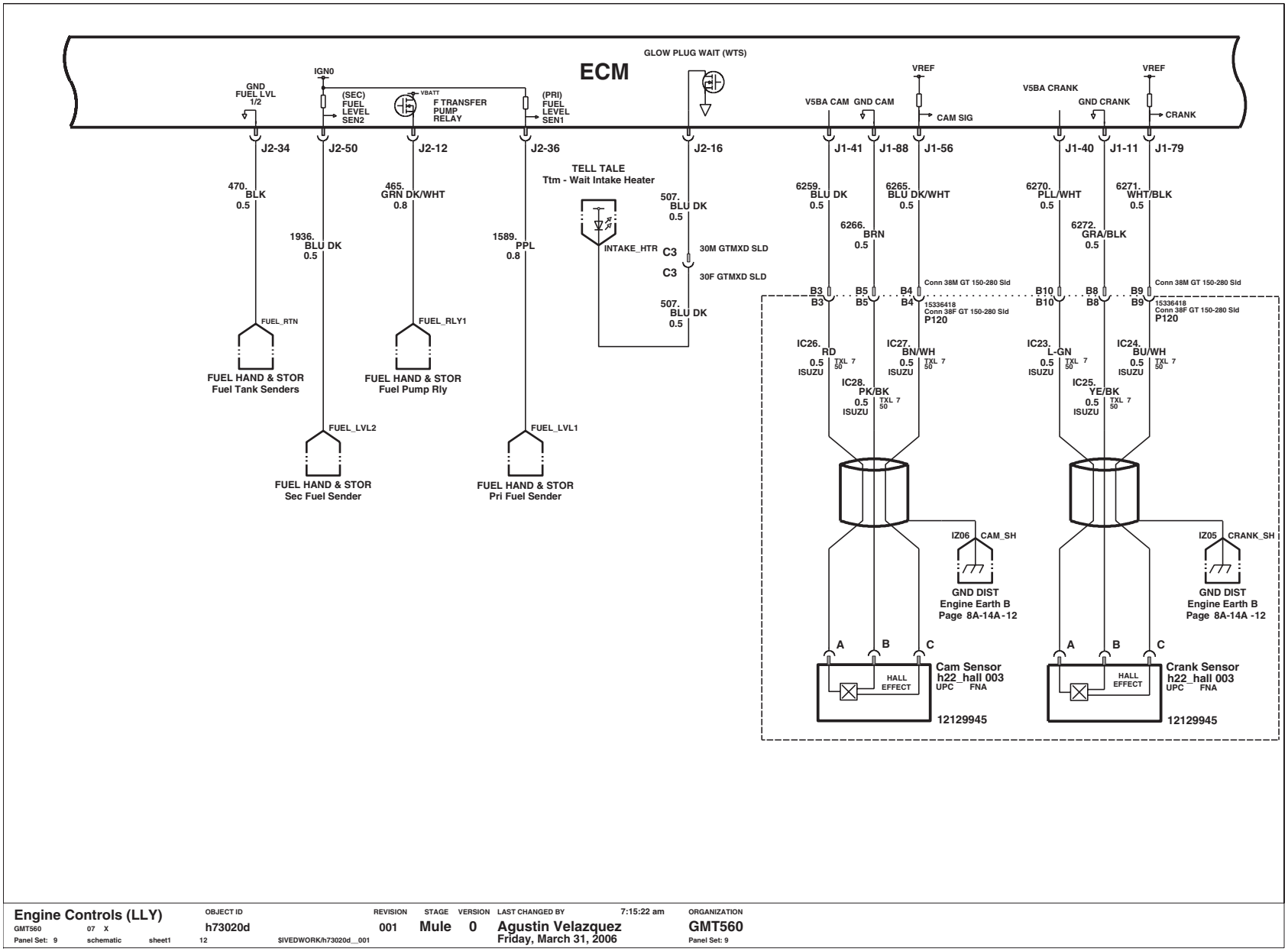
Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:15:22 am	ORGANIZATION
GMT560 07 X	h73020d	001	Mule	0	Agustin Velazquez		GMT560
Panel Set: 7 schematic sheet1 12	$IVEDWORK/h73020d__001				Friday, March 31, 2006		Panel Set: 7

Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



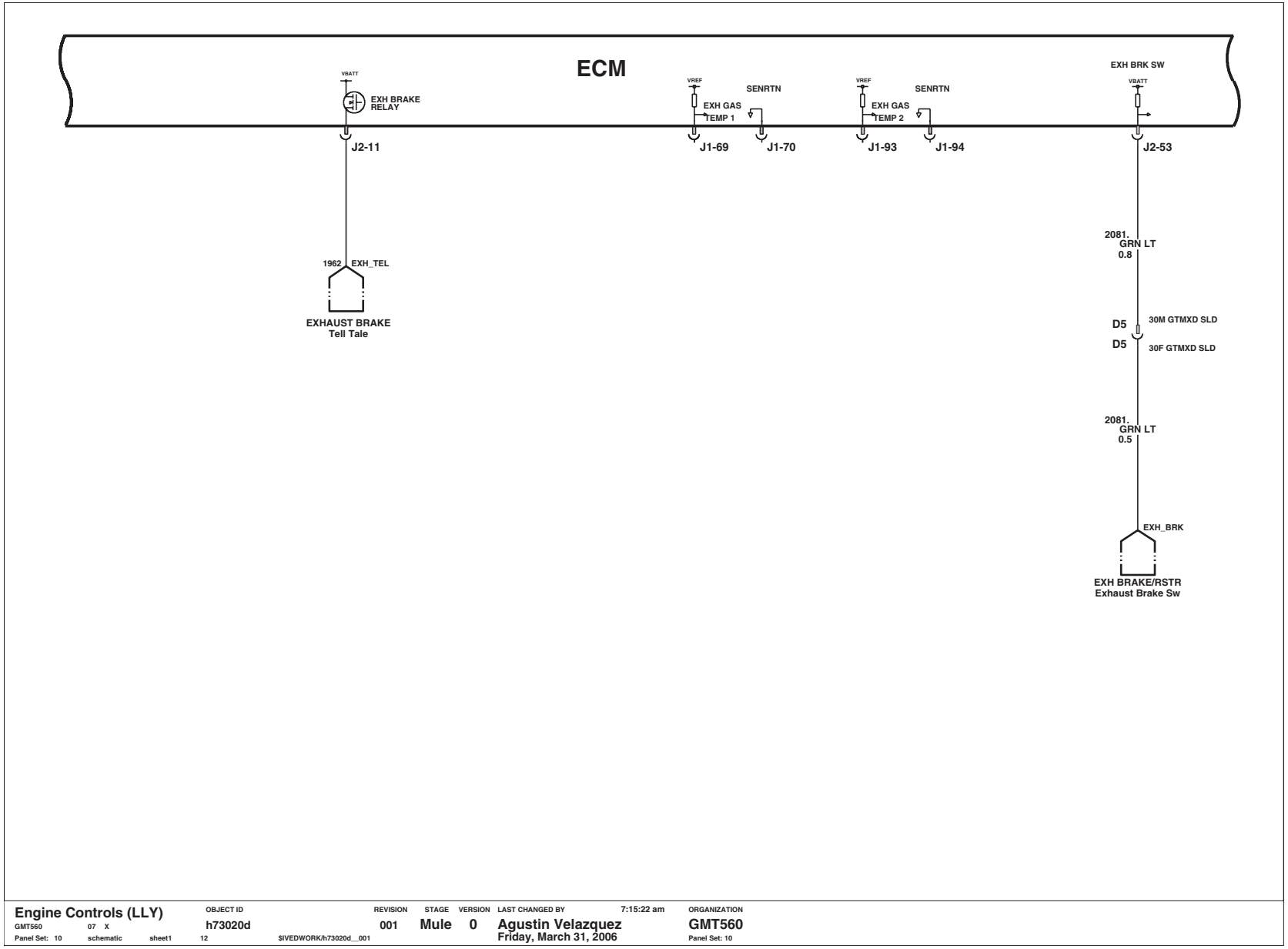
Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020d	001	Mule	0	Agustin Velazquez	7:15:22 am	GMT560
Panel Set: 8 schematic sheet1 12	$IVEDWORK/h73020d__001				Friday, March 31, 2006		Panel Set: 8

Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

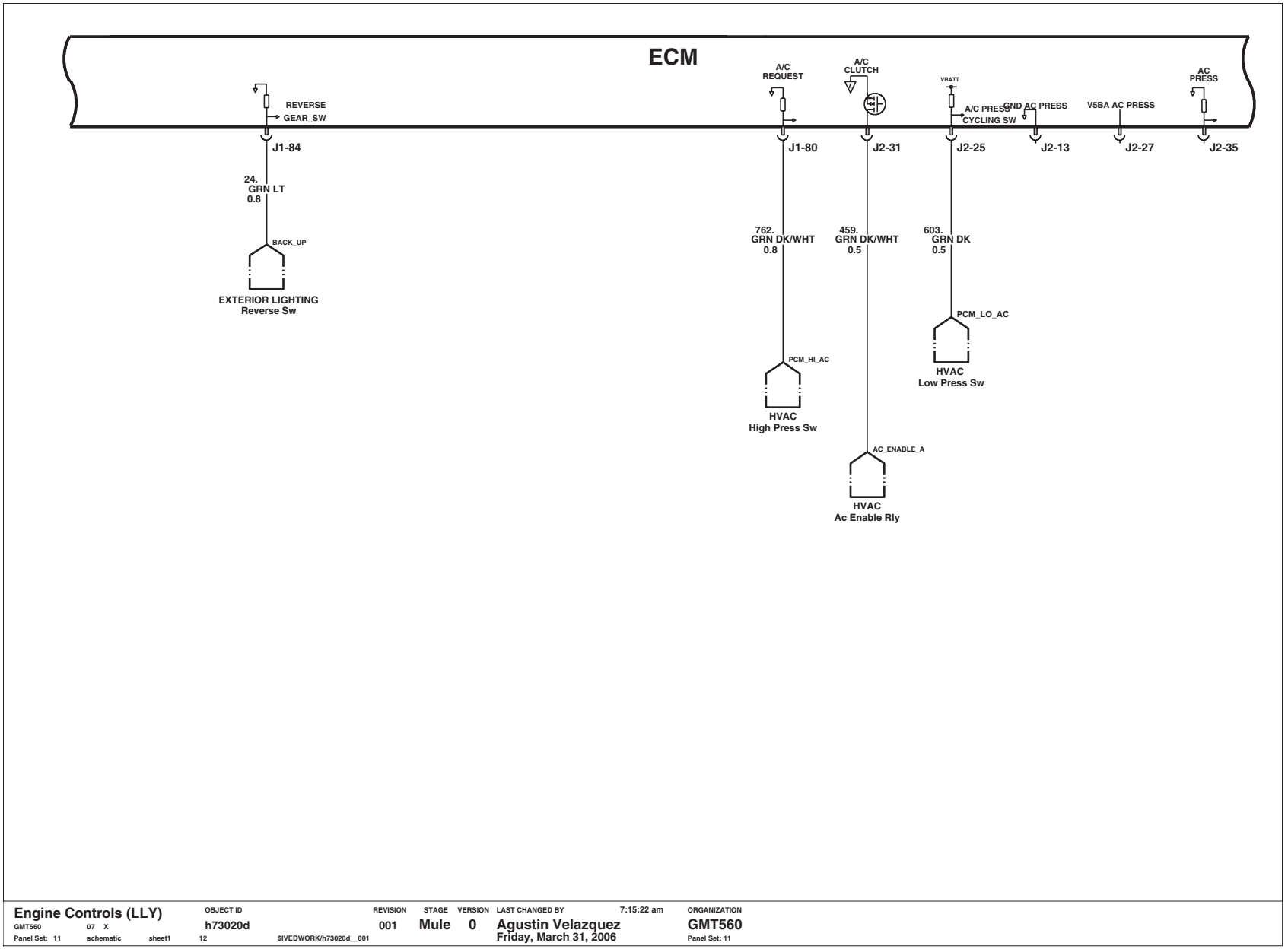


Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:15:22 am	ORGANIZATION
GMT560 07 X	h73020d	001	Mule	0	Agustin Velazquez		GMT560
Panel Set: 9 schematic sheet1 12	$IVEDWORK/h73020d__001				Friday, March 31, 2006		Panel Set: 9

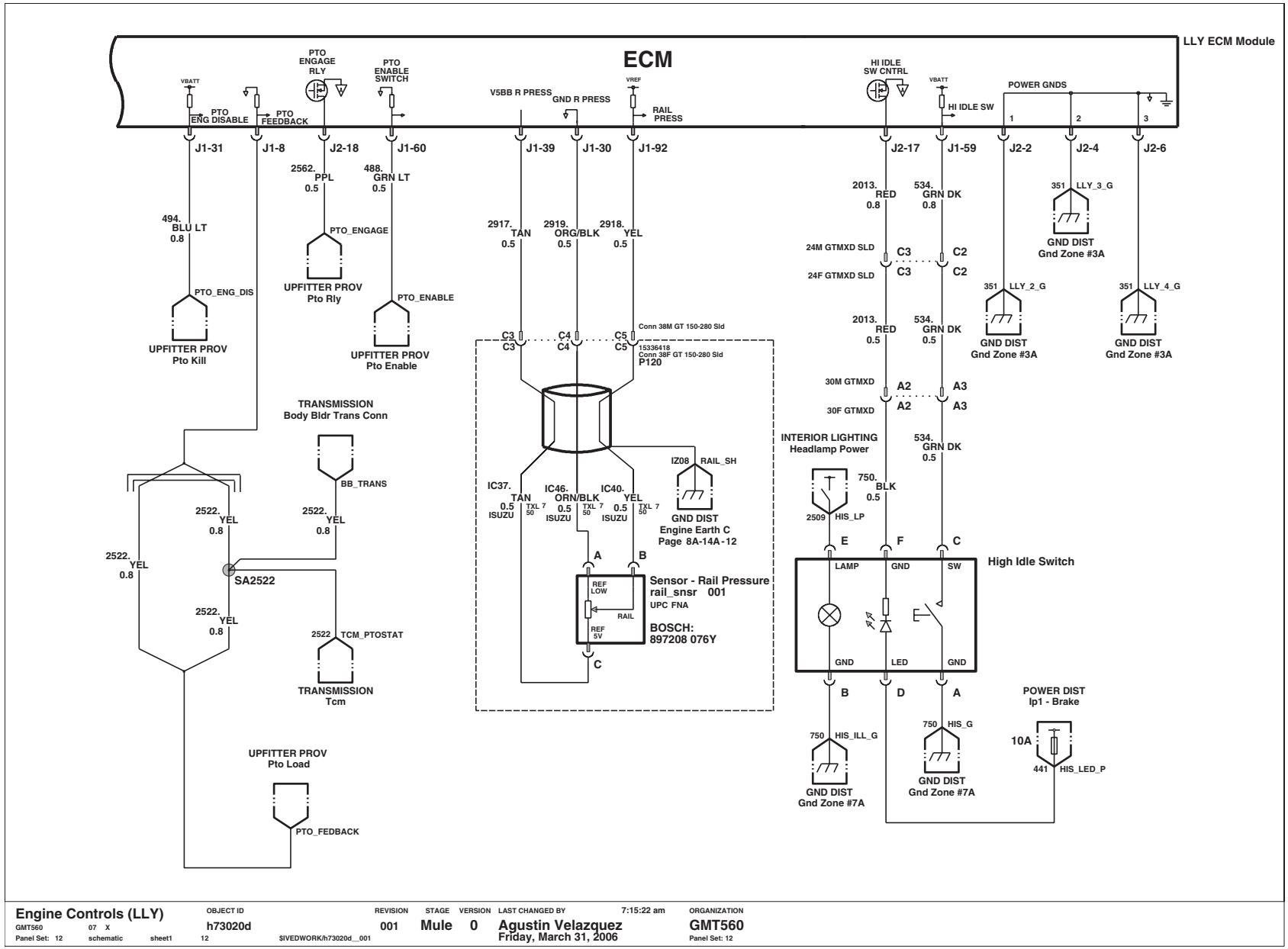
Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

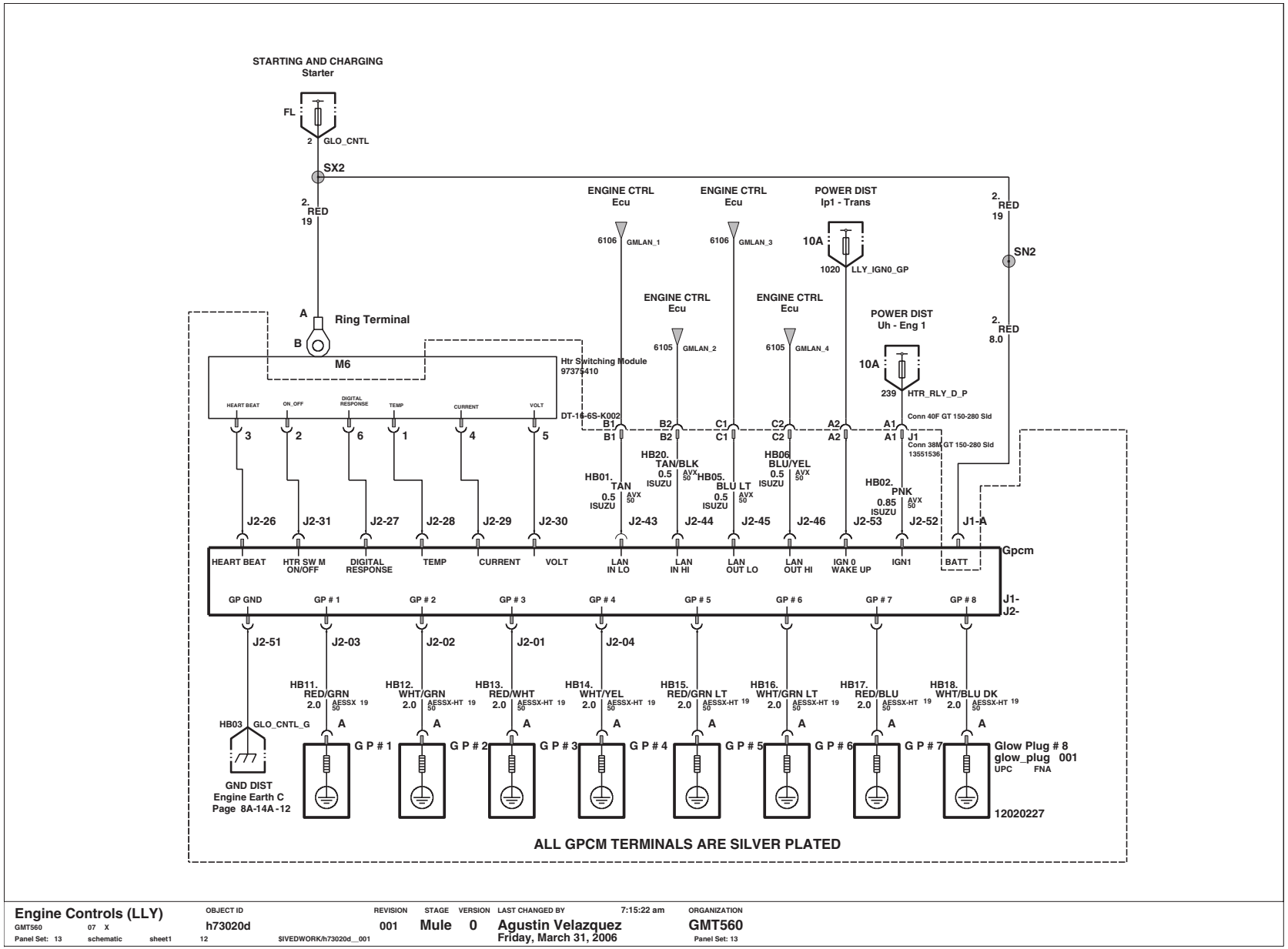


Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



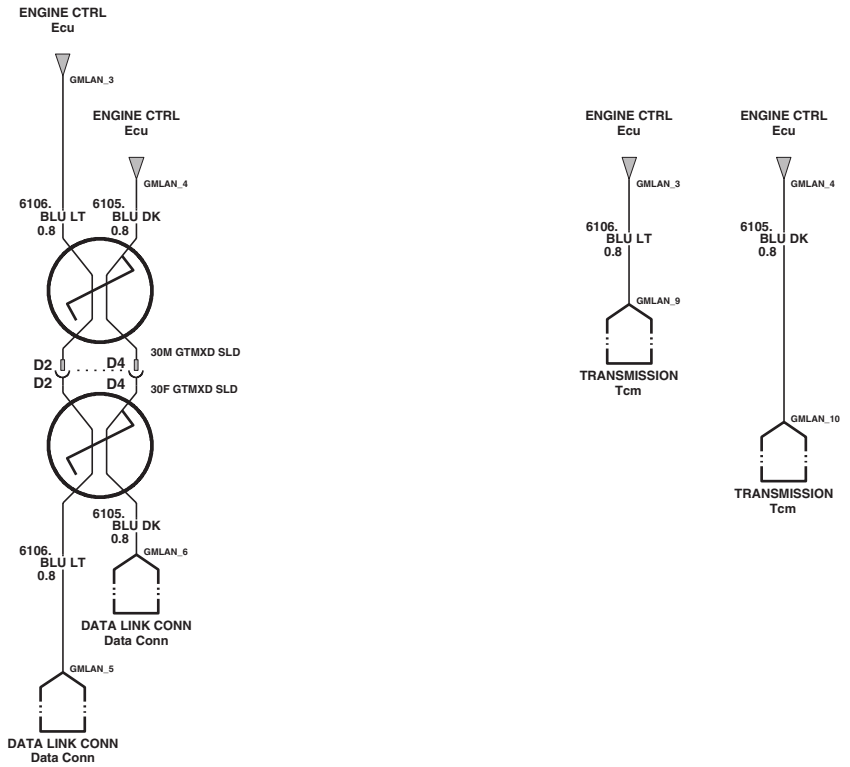
Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020d	001	Mule	0	Agustin Velazquez	7:15:22 am	GMT560
Panel Set: 12 schematic sheet1 12	$IVEDWORK/h73020d__001				Friday, March 31, 2006		Panel Set: 12

Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



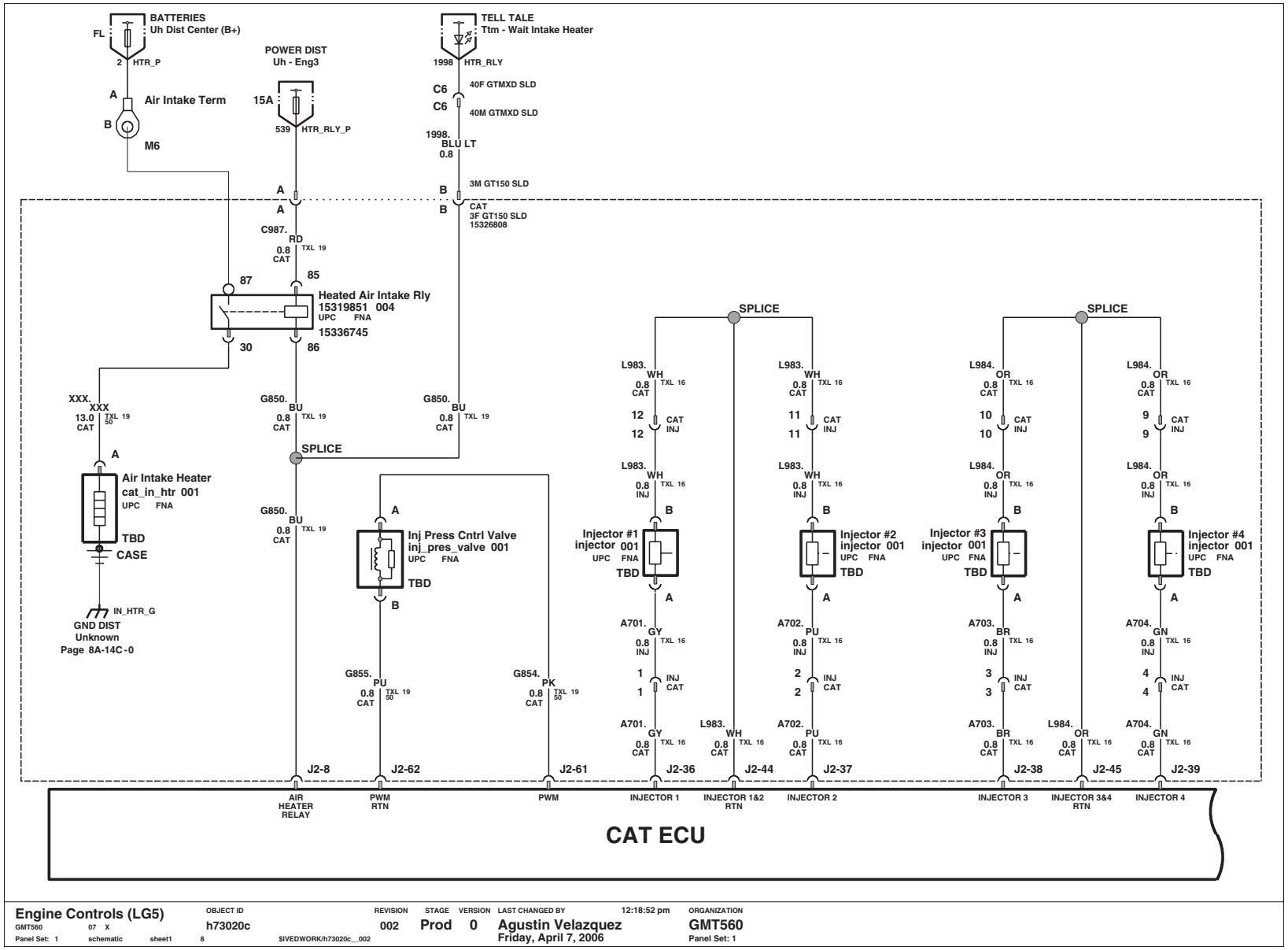
Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020d	001	Mule	0	Agustin Velazquez	7:15:22 am	GMT560
Panel Set: 13 schematic sheet1 12	SIVEDWORK/h73020d__001				Friday, March 31, 2006		Panel Set: 13

Engine Controls (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



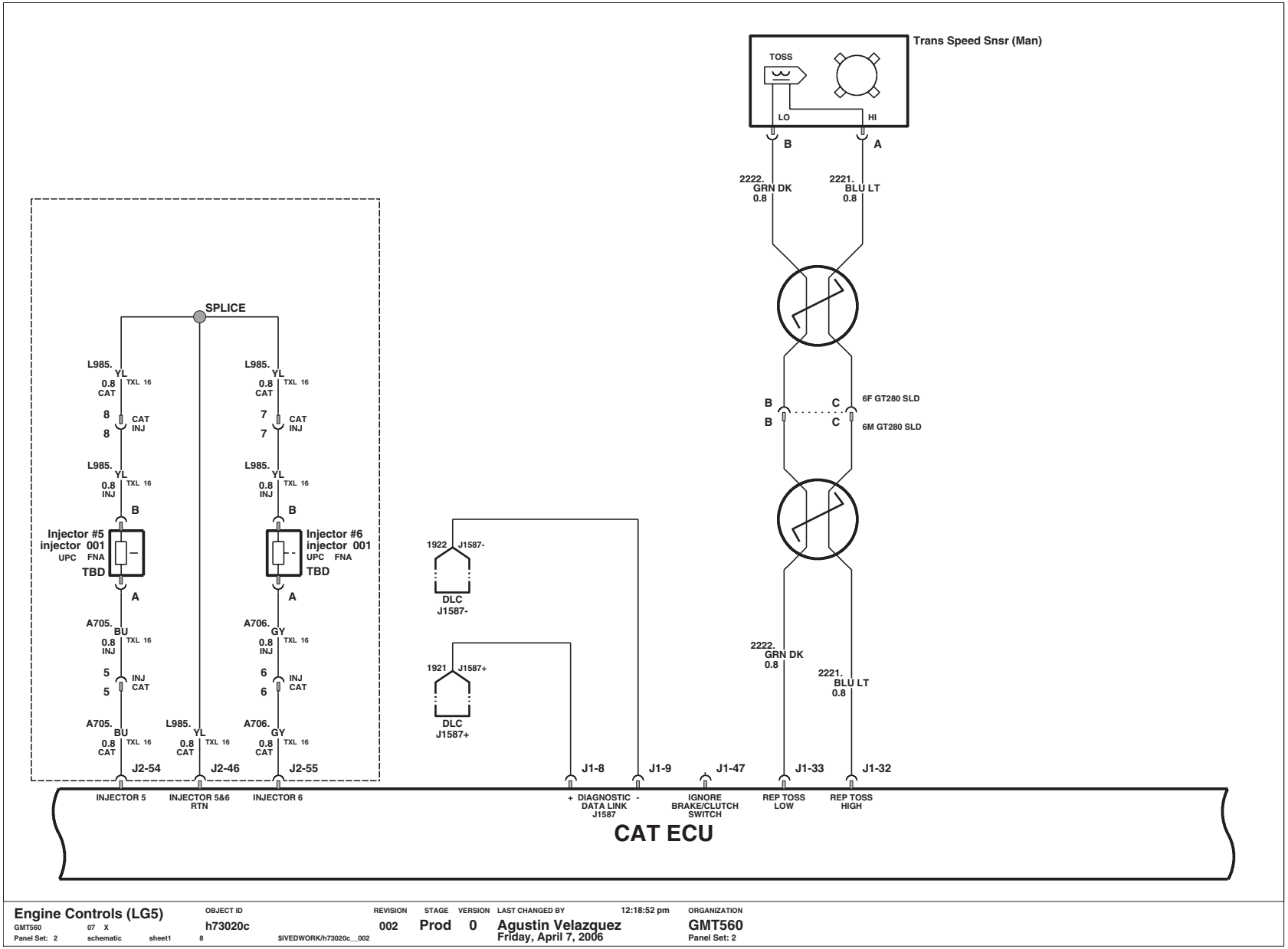
Engine Controls (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	ORGANIZATION
GMT560 07 X	h73020d	001	X	0	Agustin Velazquez	GMT560
Panel Set: 14 schematic sheet1 12 $IVEDWORK/h73020d__001					Friday, March 31, 2006 7:15:22 am	Panel Set: 14

Engine Controls (LG5) 7.2L L6 Caterpillar® C7 - Diesel



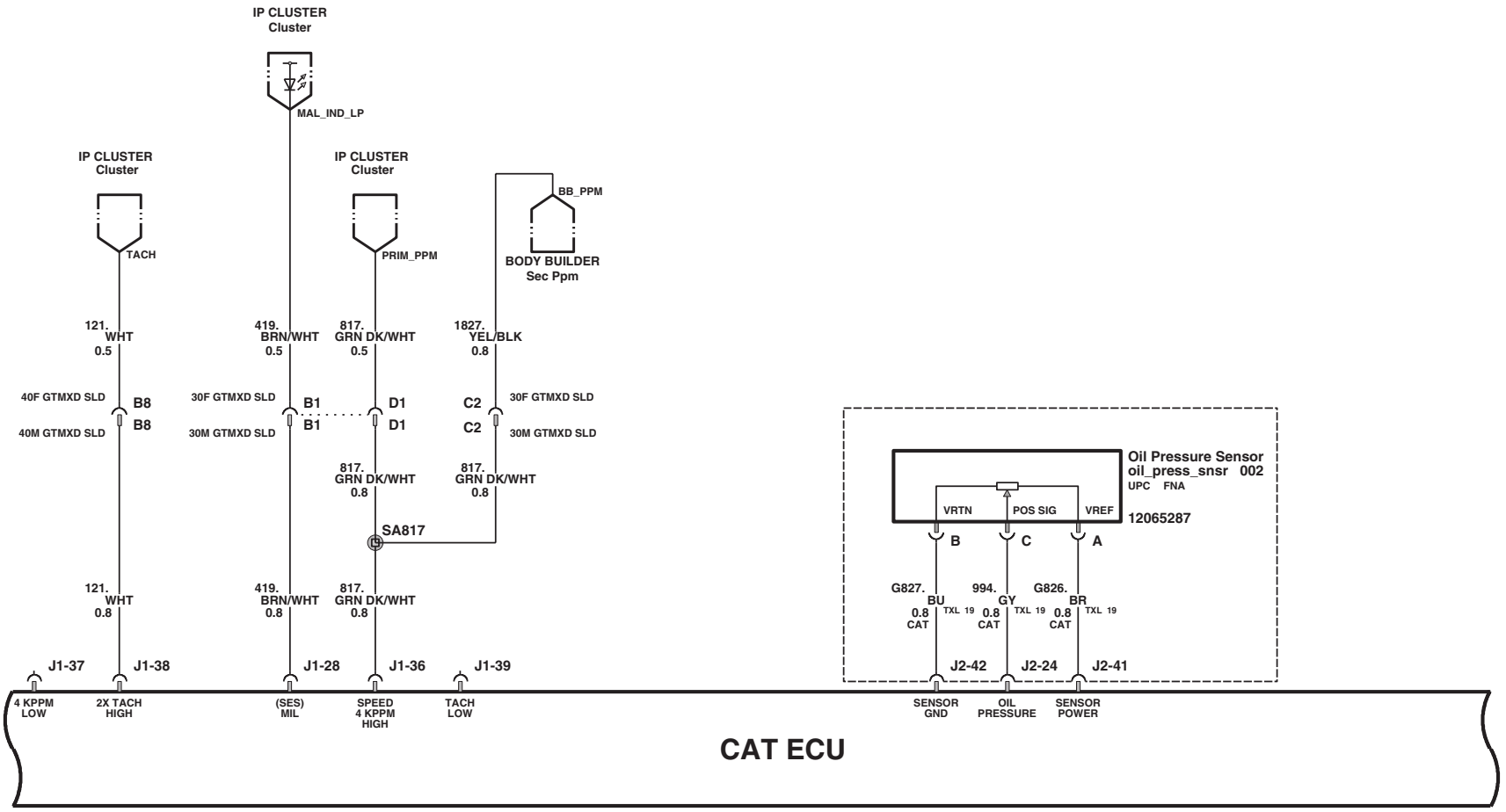
Engine Controls (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:18:52 pm	ORGANIZATION
GMT560 07 X	h73020c	002	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 8 $IVEDWORK/h73020c__002					Friday, April 7, 2006		Panel Set: 1

Engine Controls (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



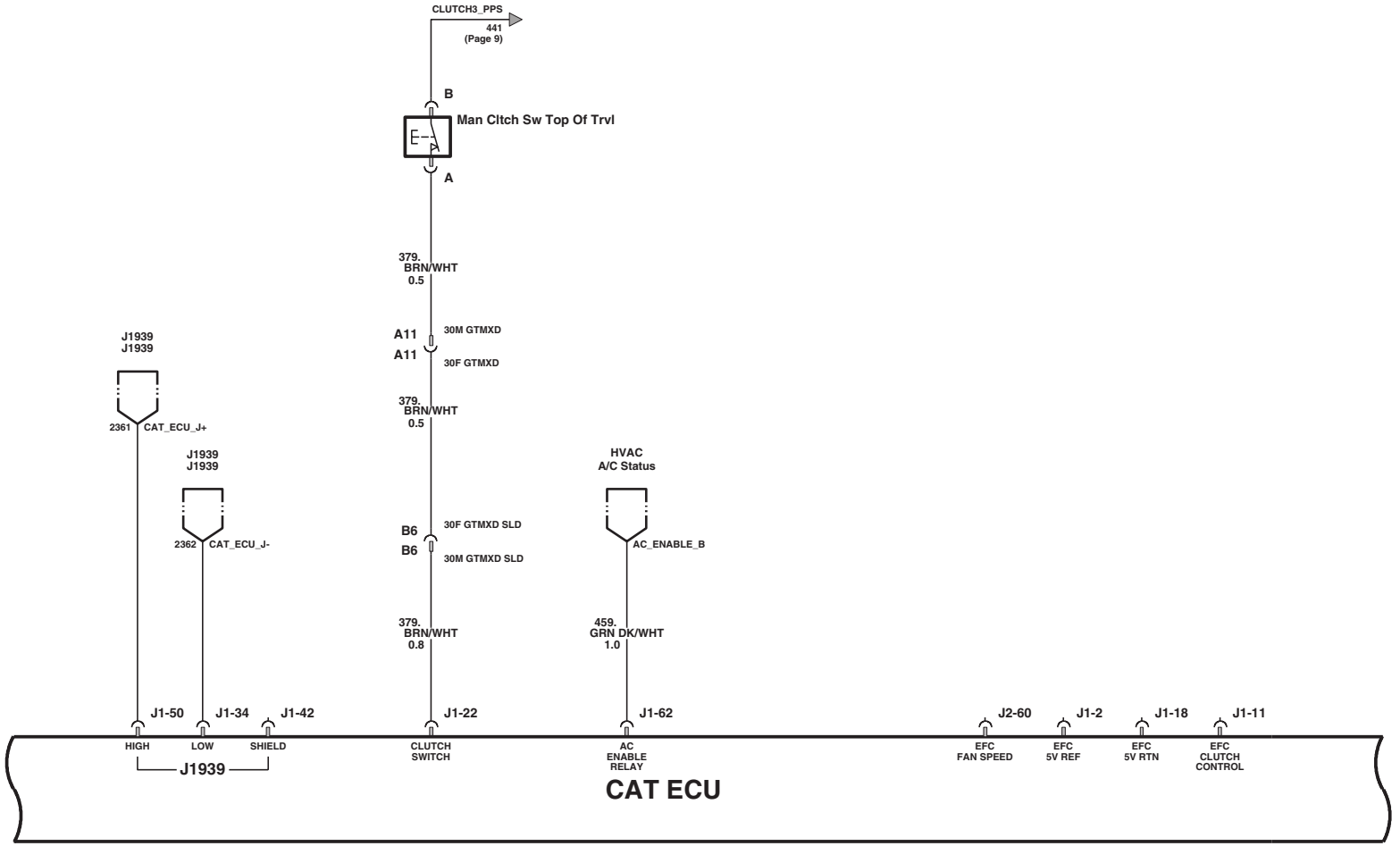
Engine Controls (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020c	002	Prod	0	Agustin Velazquez	12:18:52 pm	GMT560
Panel Set: 2 schematic sheet1 8	$IVEDWORK/h73020c__002				Friday, April 7, 2006		Panel Set: 2

Engine Controls (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



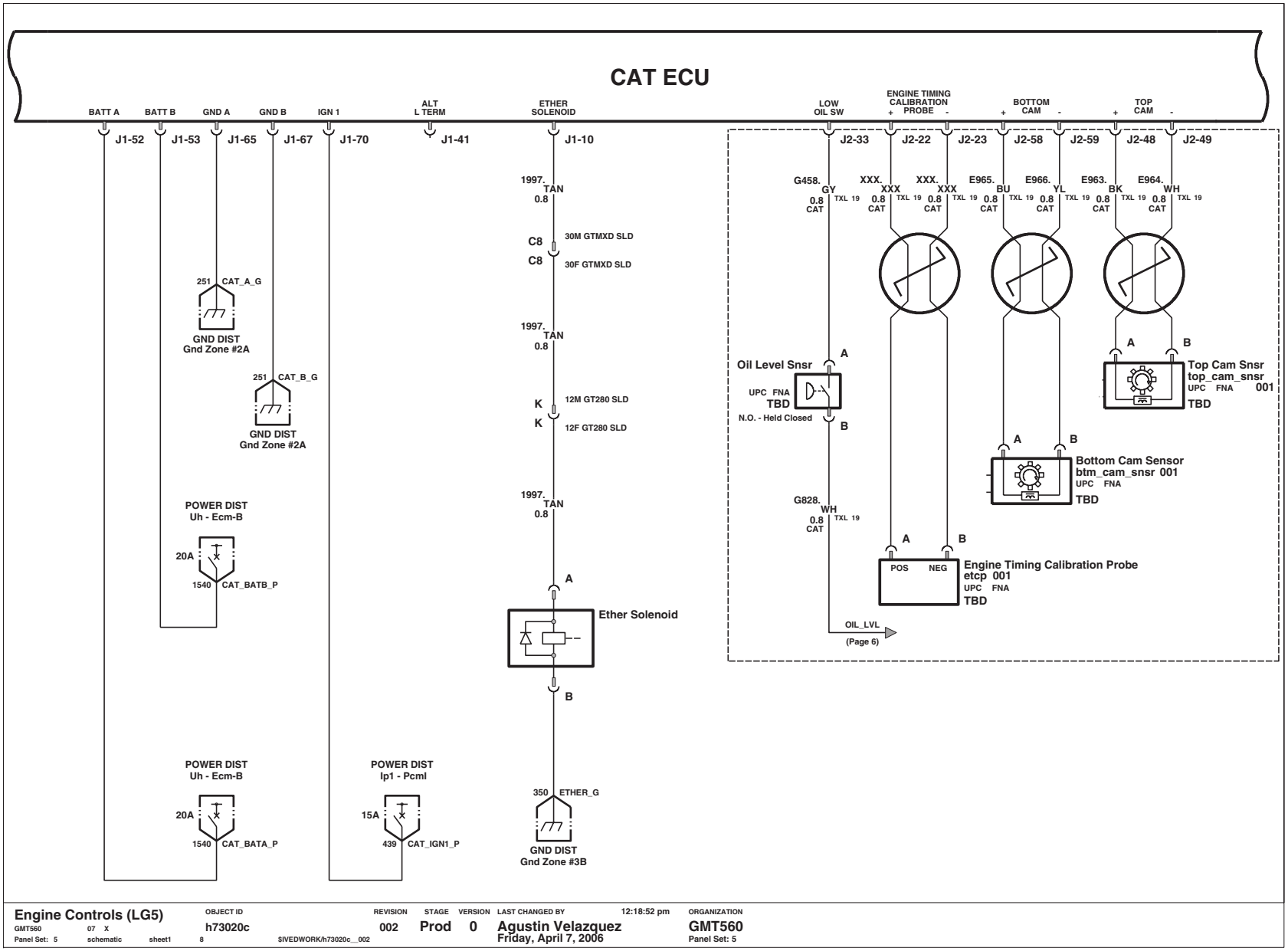
Engine Controls (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:18:52 pm	ORGANIZATION
GMT560 07 X	h73020c	002	Prod	0	Agustin Velazquez		GMT560
Panel Set: 3 schematic sheet1 8	$IVEDWORK/h73020c__002				Friday, April 7, 2006		Panel Set: 3

Engine Controls (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



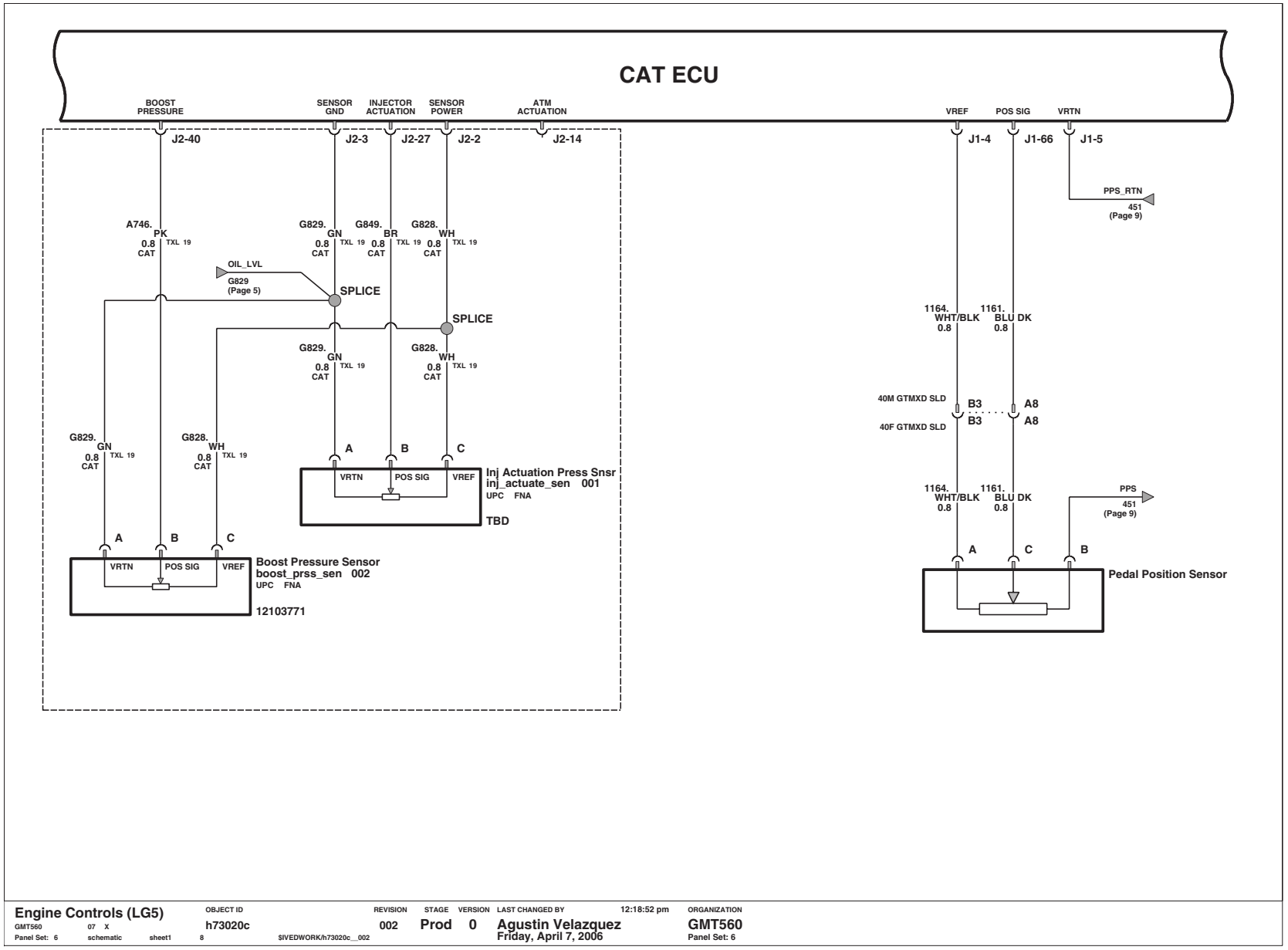
Engine Controls (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020c	002	Prod	0	Agustin Velazquez	12:18:52 pm	GMT560
Panel Set: 4 schematic sheet1 8	$IVEDWORK/h73020c__002				Friday, April 7, 2006		Panel Set: 4

Engine Controls (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



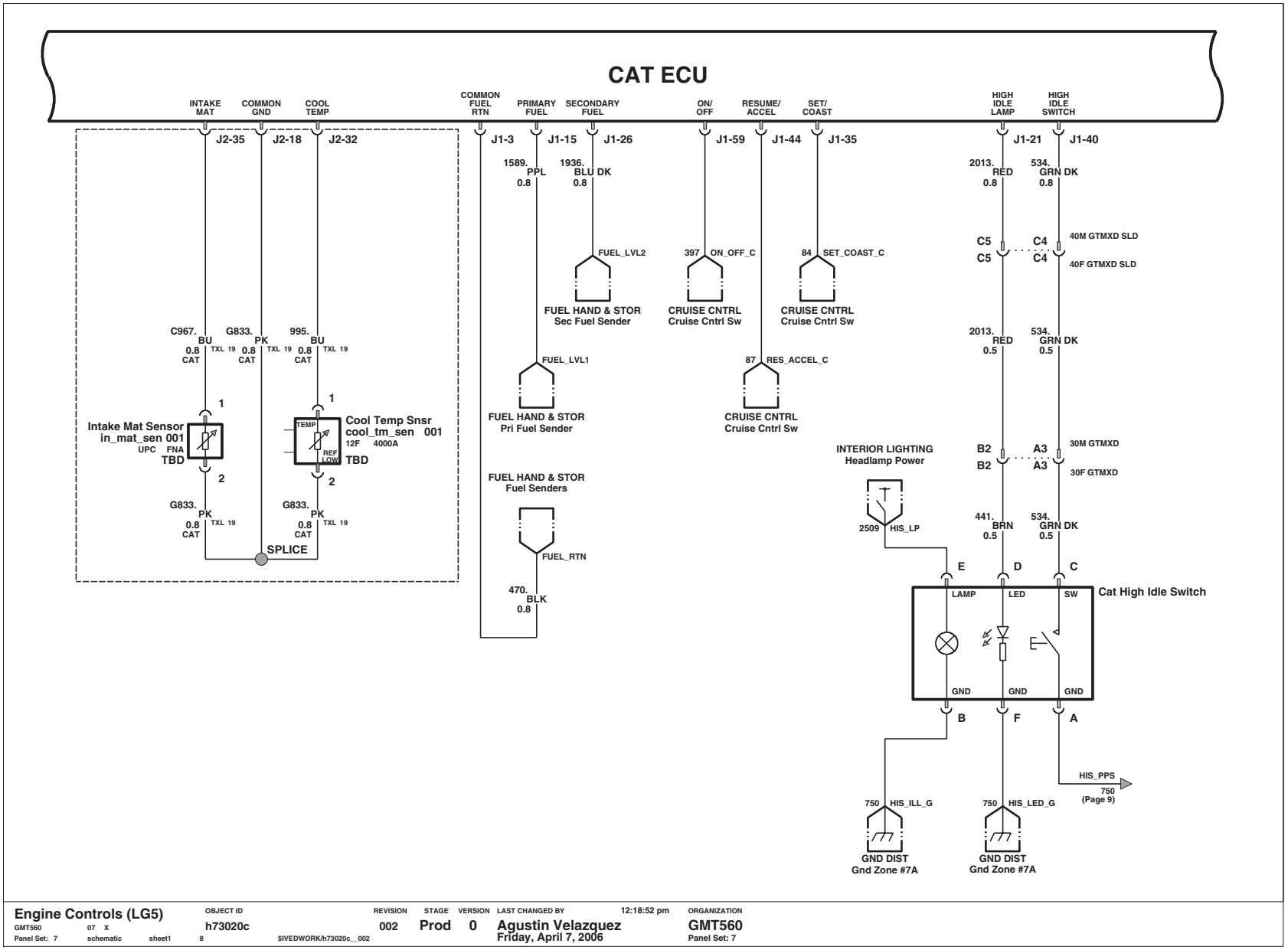
Engine Controls (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020c	002	Prod	0	Agustin Velazquez	12:18:52 pm	GMT560
Panel Set: 5 schematic sheet1 8	$IVEDWORK/h73020c__002				Friday, April 7, 2006		Panel Set: 5

Engine Controls (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

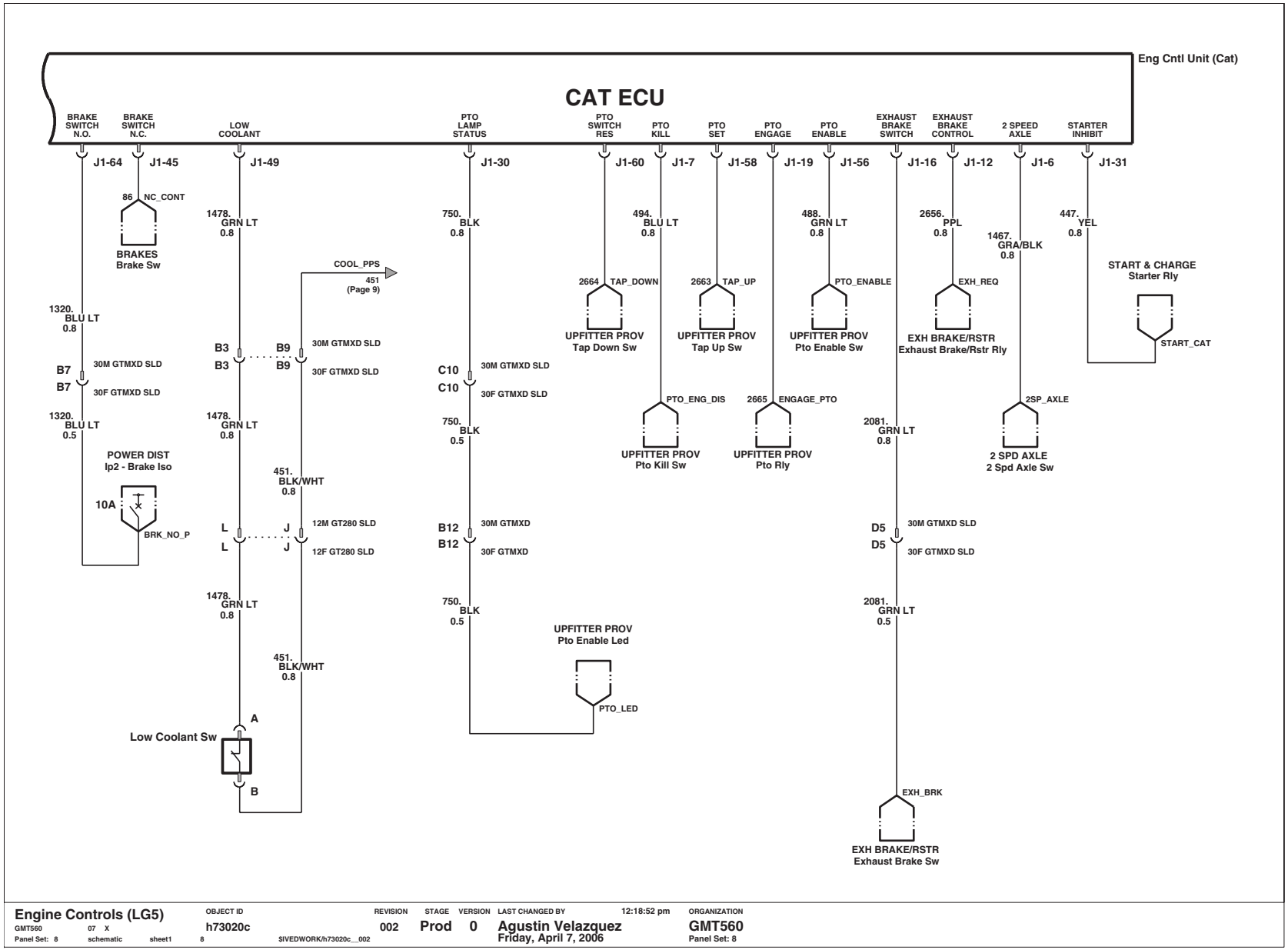


Engine Controls (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73020c	002	Prod	0	Agustin Velazquez	12:18:52 pm	GMT560
Panel Set: 6 schematic sheet1 8	$IVEDWORK/h73020c__002				Friday, April 7, 2006		Panel Set: 6

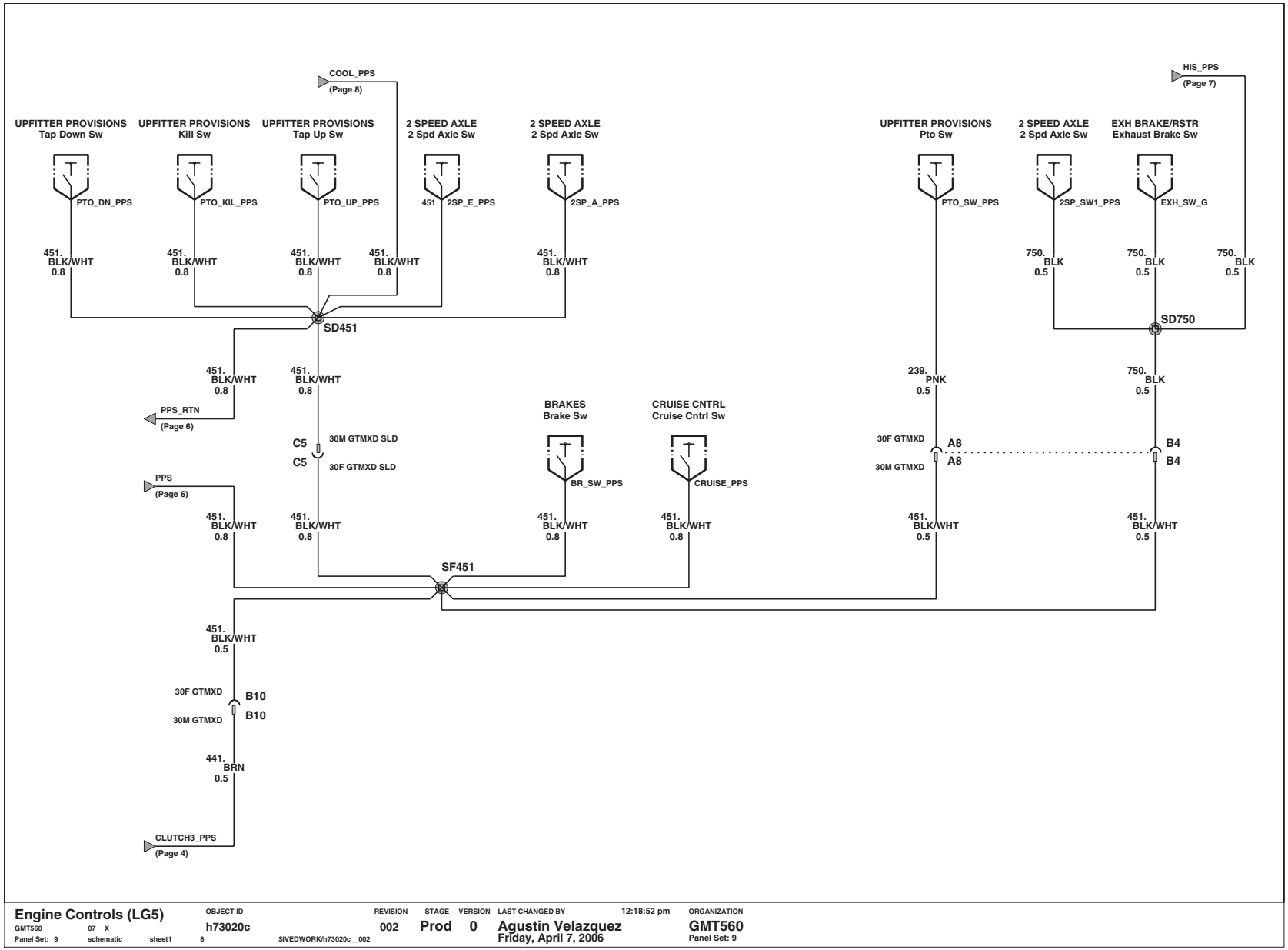
Engine Controls (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



Engine Controls (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

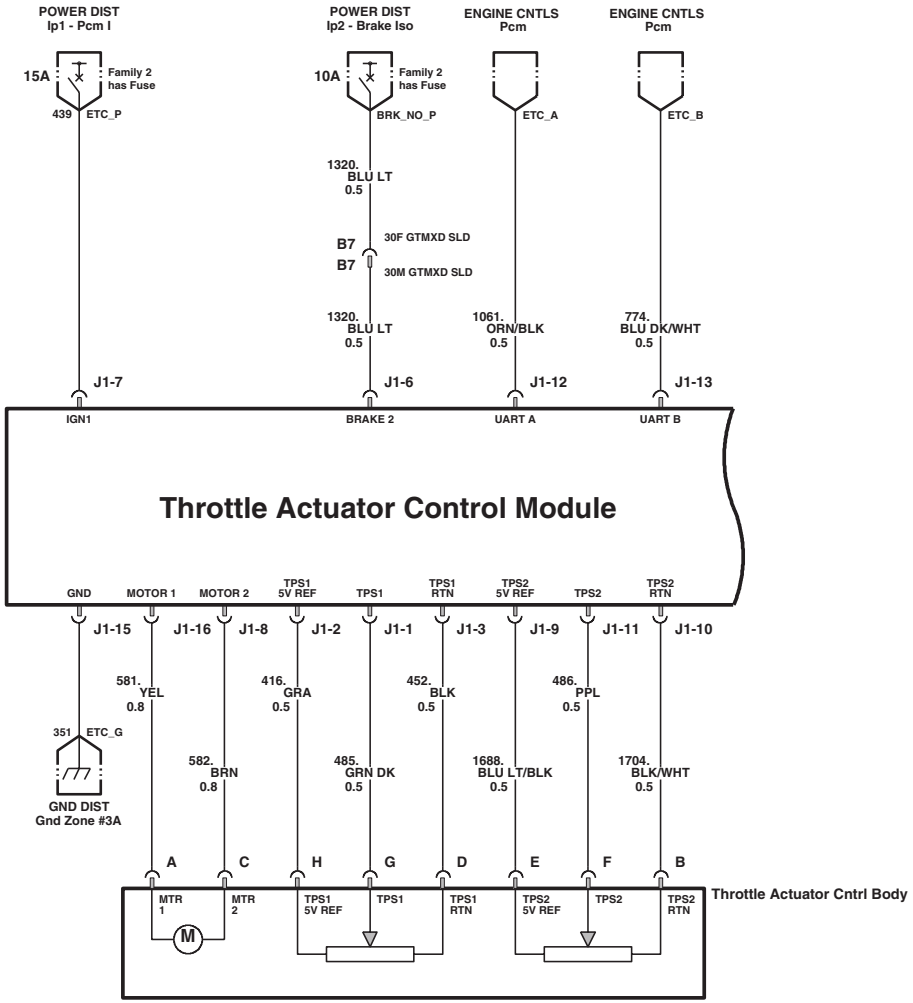


Engine Controls (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



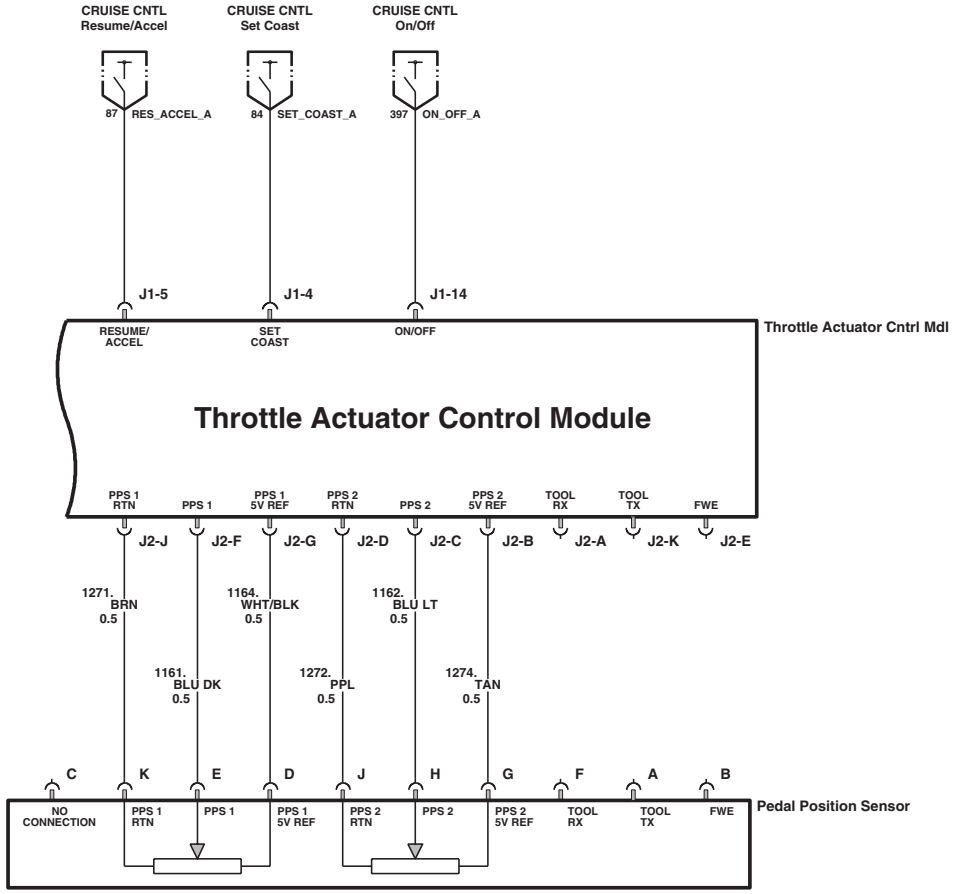
Engine Controls (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:18:52 pm	ORGANIZATION
GMT560 07 X	h73020c	002	Prod	0	Agustin Velazquez		GMT560
Panel Set: 9 schematic sheet1 8	$VEDWORK/h73020c__002				Friday, April 7, 2006		Panel Set: 9

ETC (L18) 8.1L V8 GMPT VORTEC® - Gas



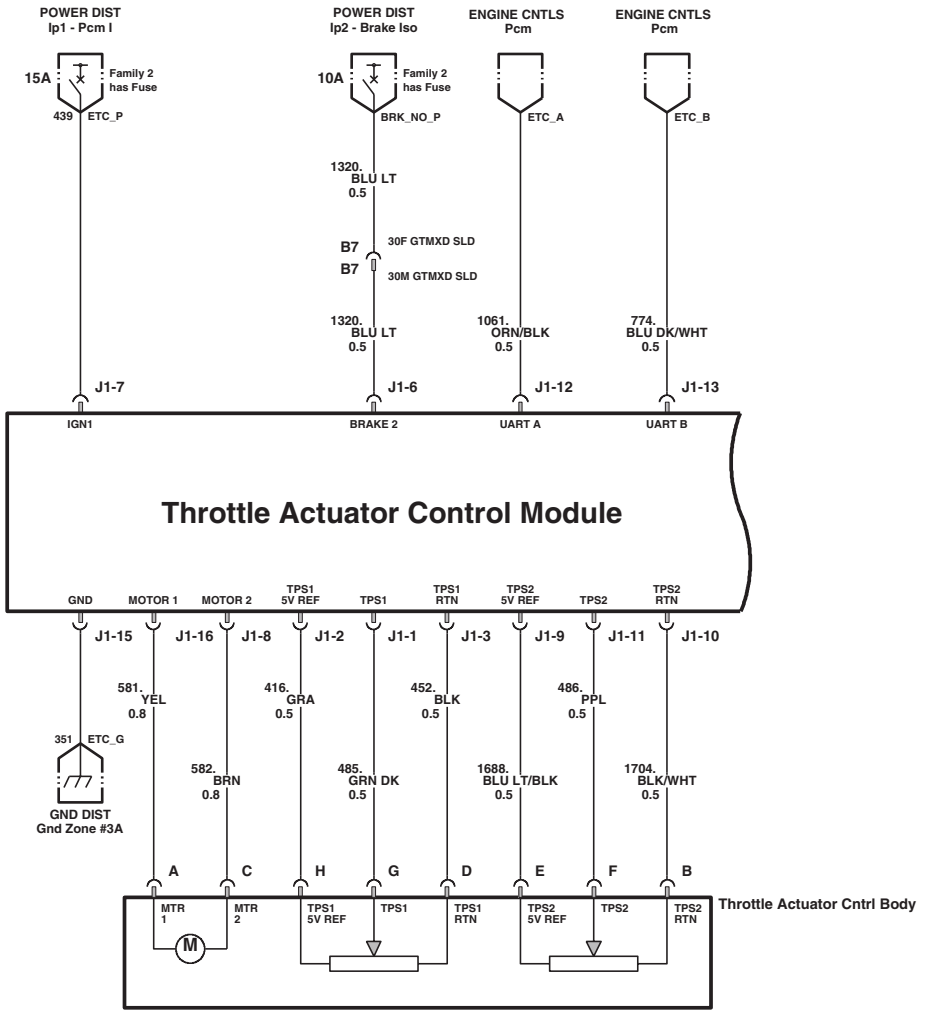
Etc L18	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:16:25 am	ORGANIZATION
GMT560 07 X	h73021a	001	Pilot	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h73021a__001				Friday, March 31, 2006		Panel Set: 1

ETC (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



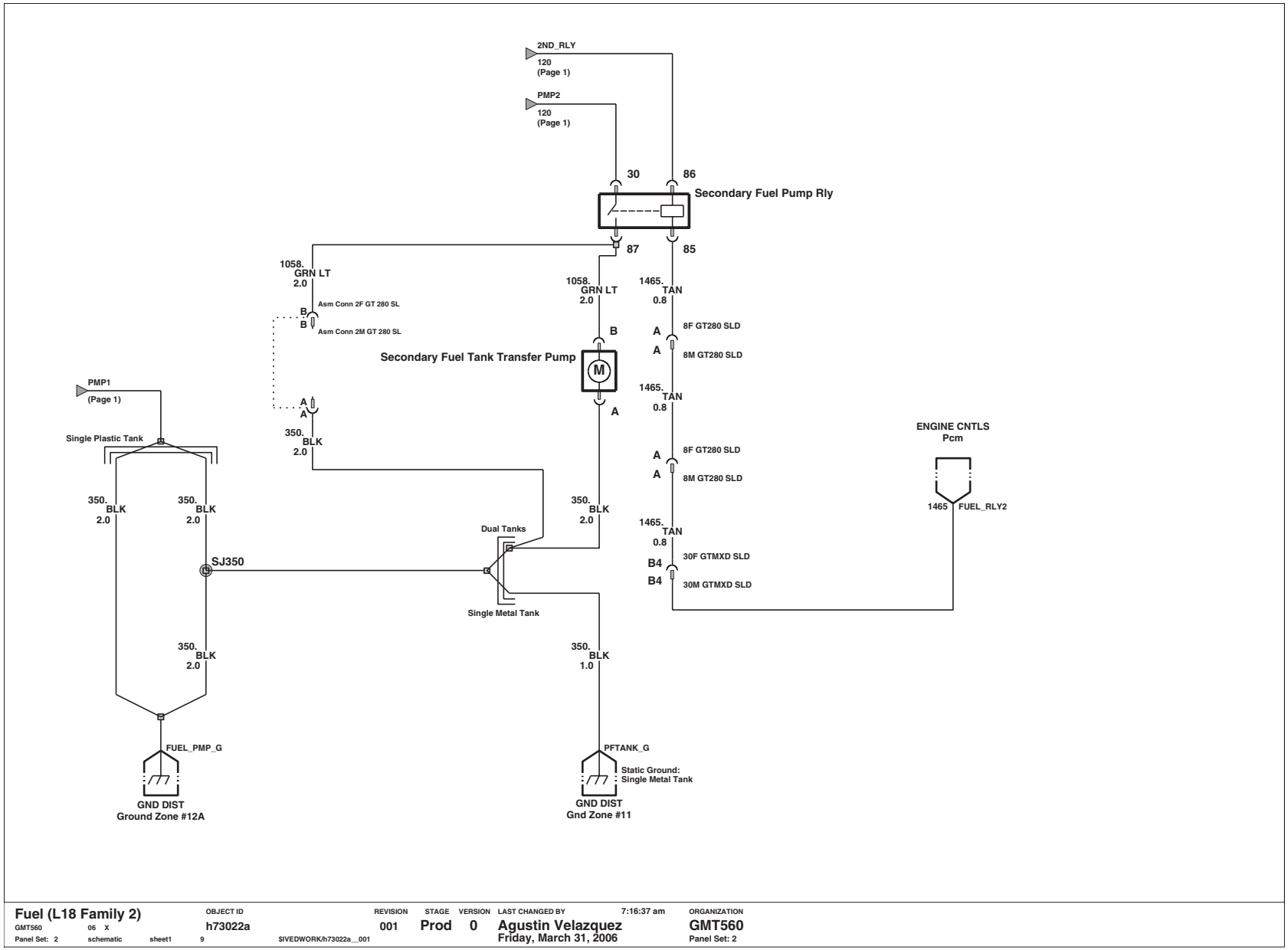
Etc L18		OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:16:25 am	ORGANIZATION
GMT560	07 X	h73021a	001	Pilot	0	Agustin Velazquez		GMT560
Panel Set: 2	schematic sheet1 2	$IVEDWORK/h73021a__001				Friday, March 31, 2006		Panel Set: 2

ETC (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



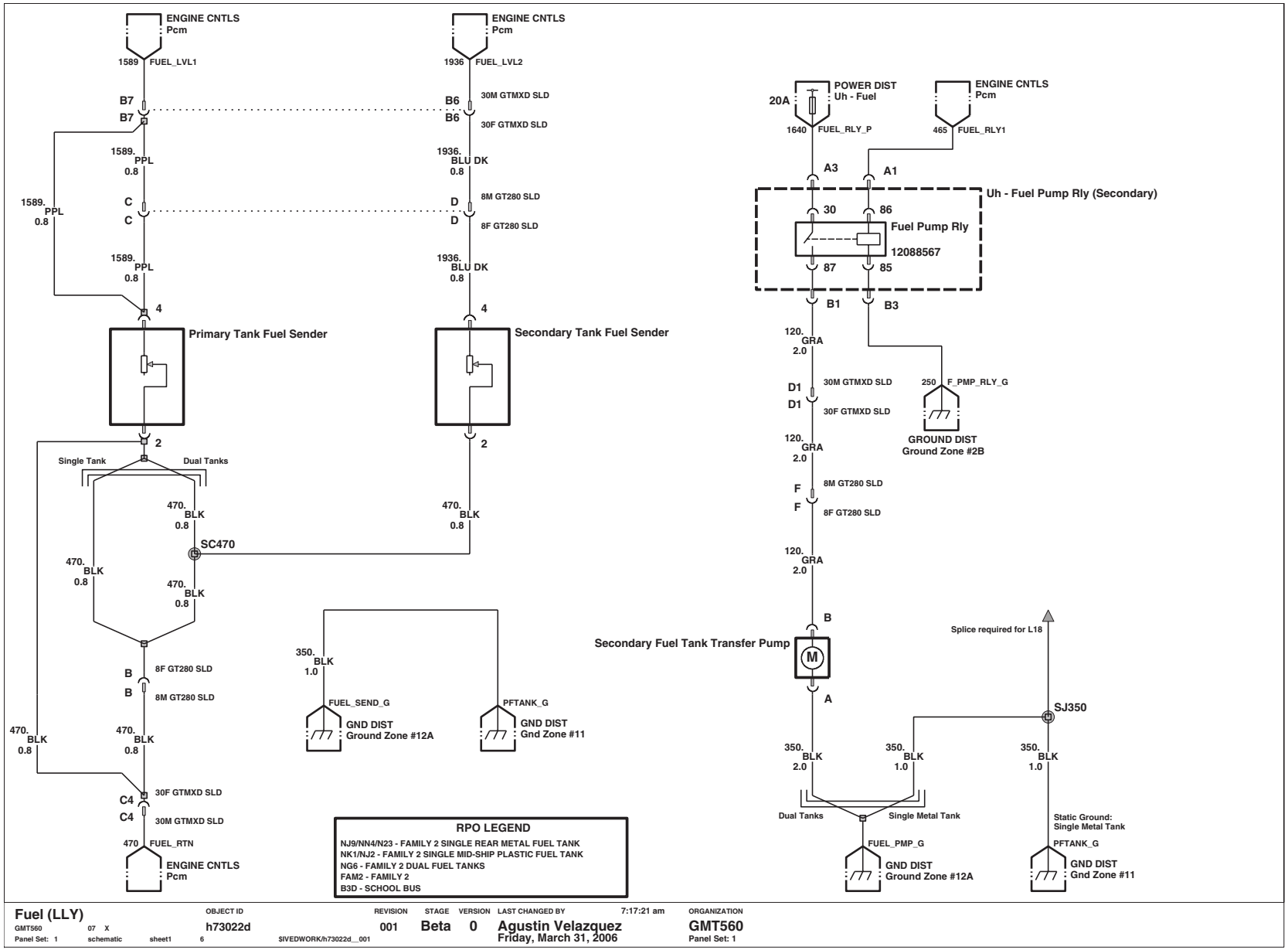
Etc L18	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73021a	001	Pilot	0	Agustin Velazquez	7:16:25 am	GMT560
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h73021a__001				Friday, March 31, 2006		Panel Set: 1

Fuel (L18) 8.1L V8 GMPT VORTEC® - Gas - Family 2

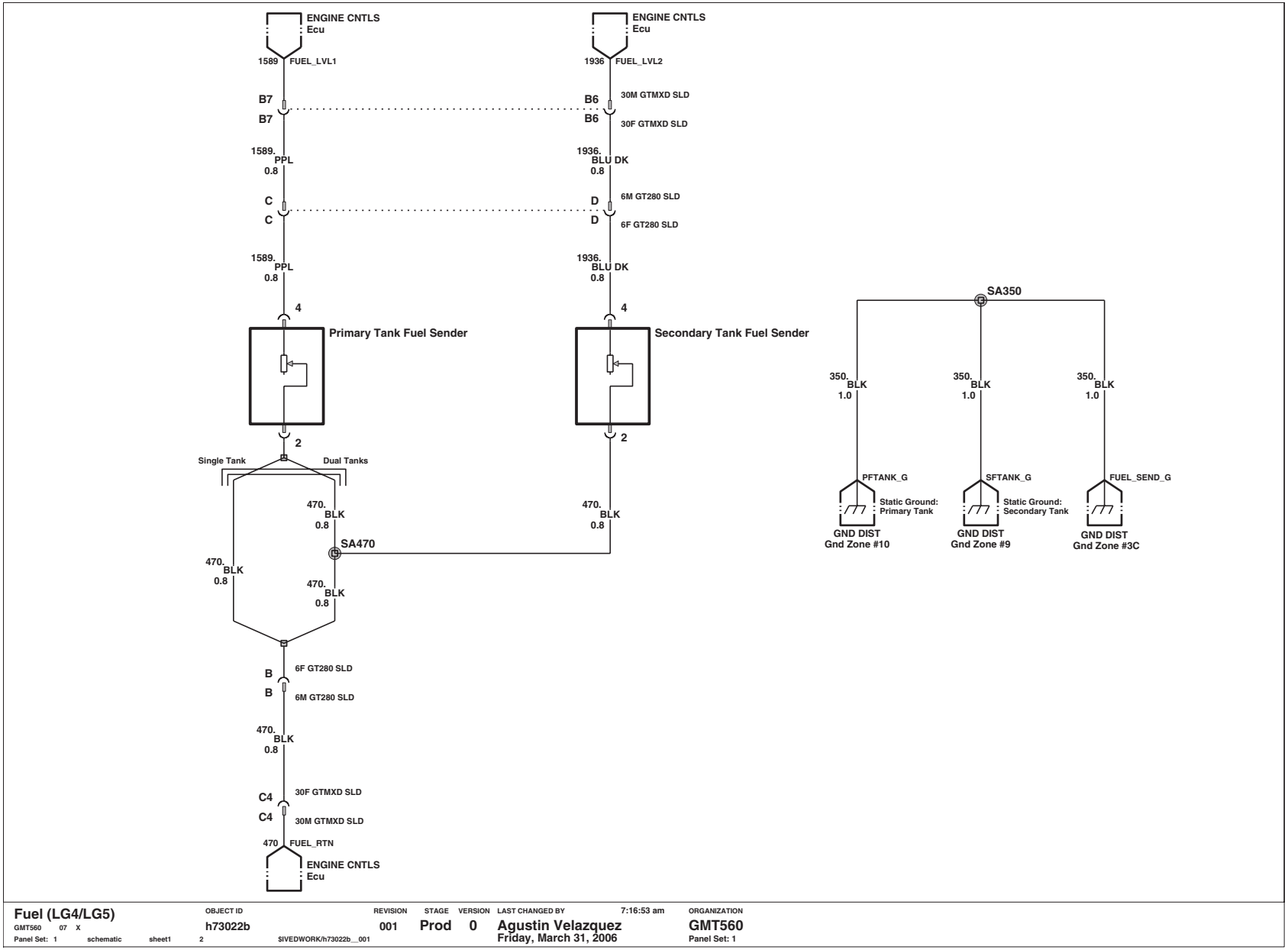


Fuel (L18 Family 2)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:16:37 am	ORGANIZATION
GMT560 06 X	h73022a	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 9	SIVEDWORK/h73022a__001				Friday, March 31, 2006		Panel Set: 2

Fuel (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel

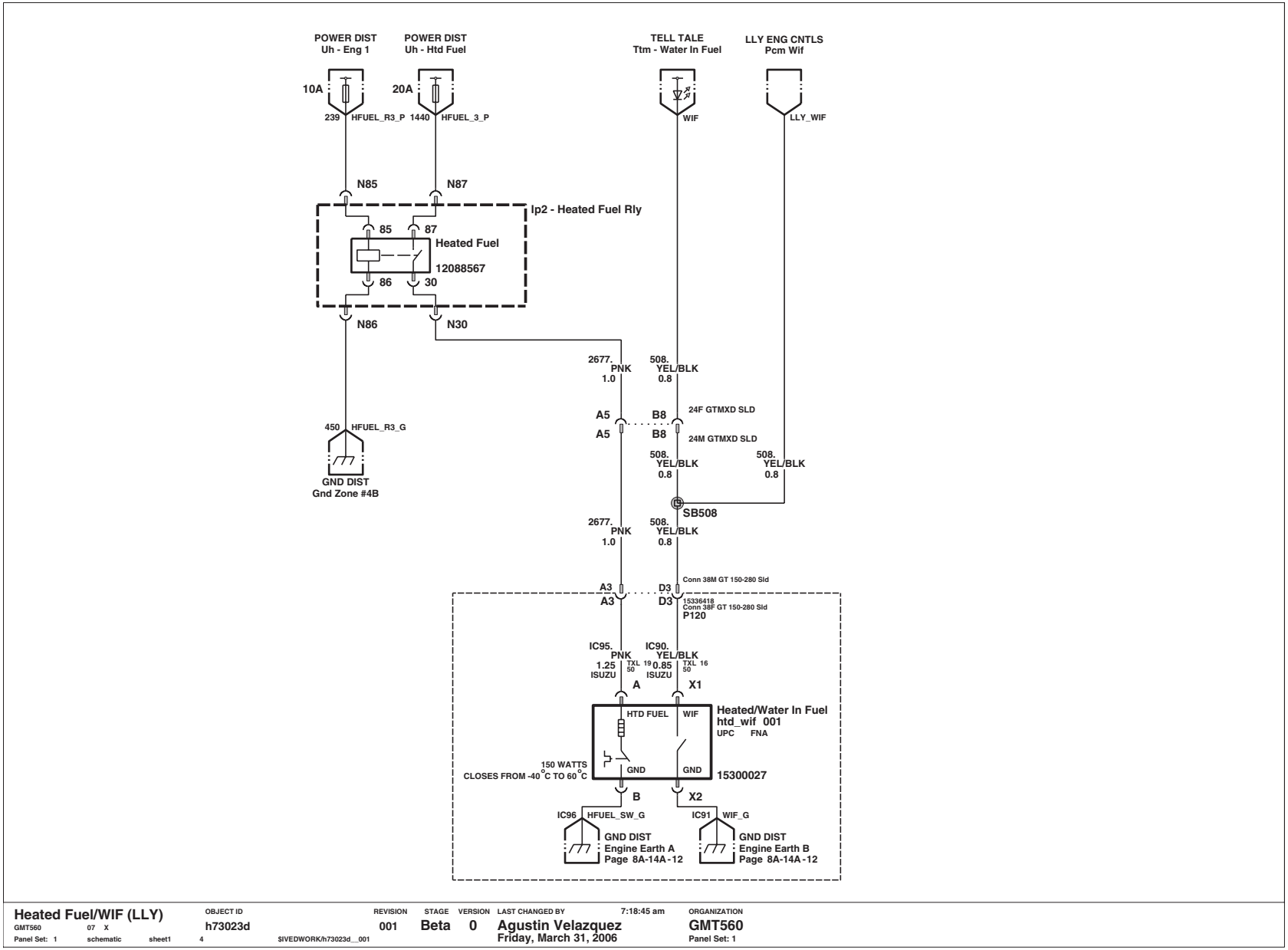


Fuel (LG4) 7.8L L6 Isuzu 6H - Diesel – (LG5) 7.2L L6 Caterpillar® C7 - Diesel



Fuel (LG4/LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:16:53 am	ORGANIZATION
GMT560 07 X	h73022b	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 2	SIVEDWORK/h73022b__001				Friday, March 31, 2006		Panel Set: 1

Heated Fuel - Water In Fuel (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel

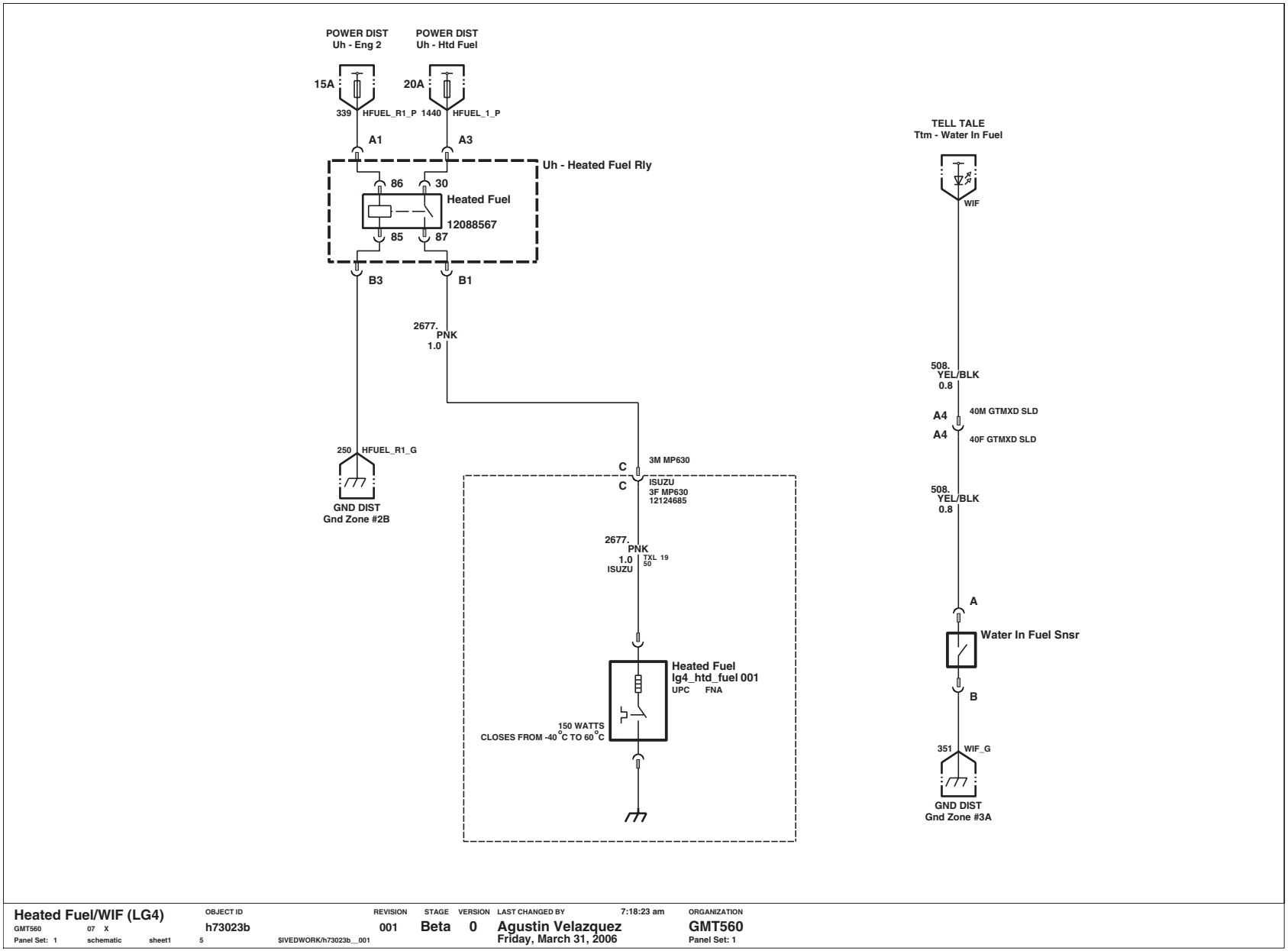


Heated Fuel/WIF (LLY)
GMT560 07 X
Panel Set: 1 schematic sheet1 4

OBJECT ID h73023d
REVISION 001
STAGE Beta
VERSION 0
LAST CHANGED BY Agustin Velazquez
7:18:45 am Friday, March 31, 2006
ORGANIZATION GMT560
Panel Set: 1

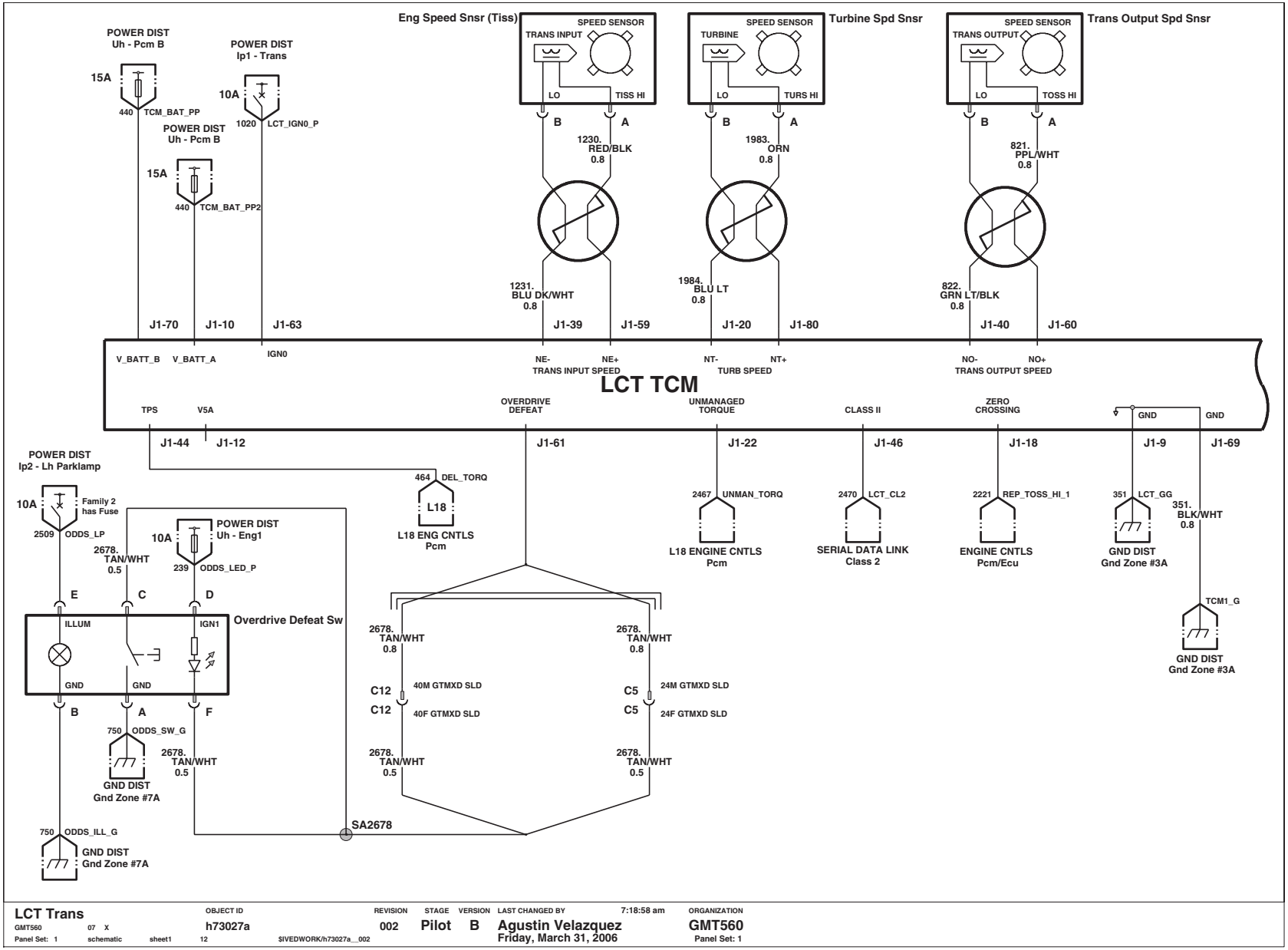
$IVEDWORK/h73023d__001

Heated Fuel - Water In Fuel (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)

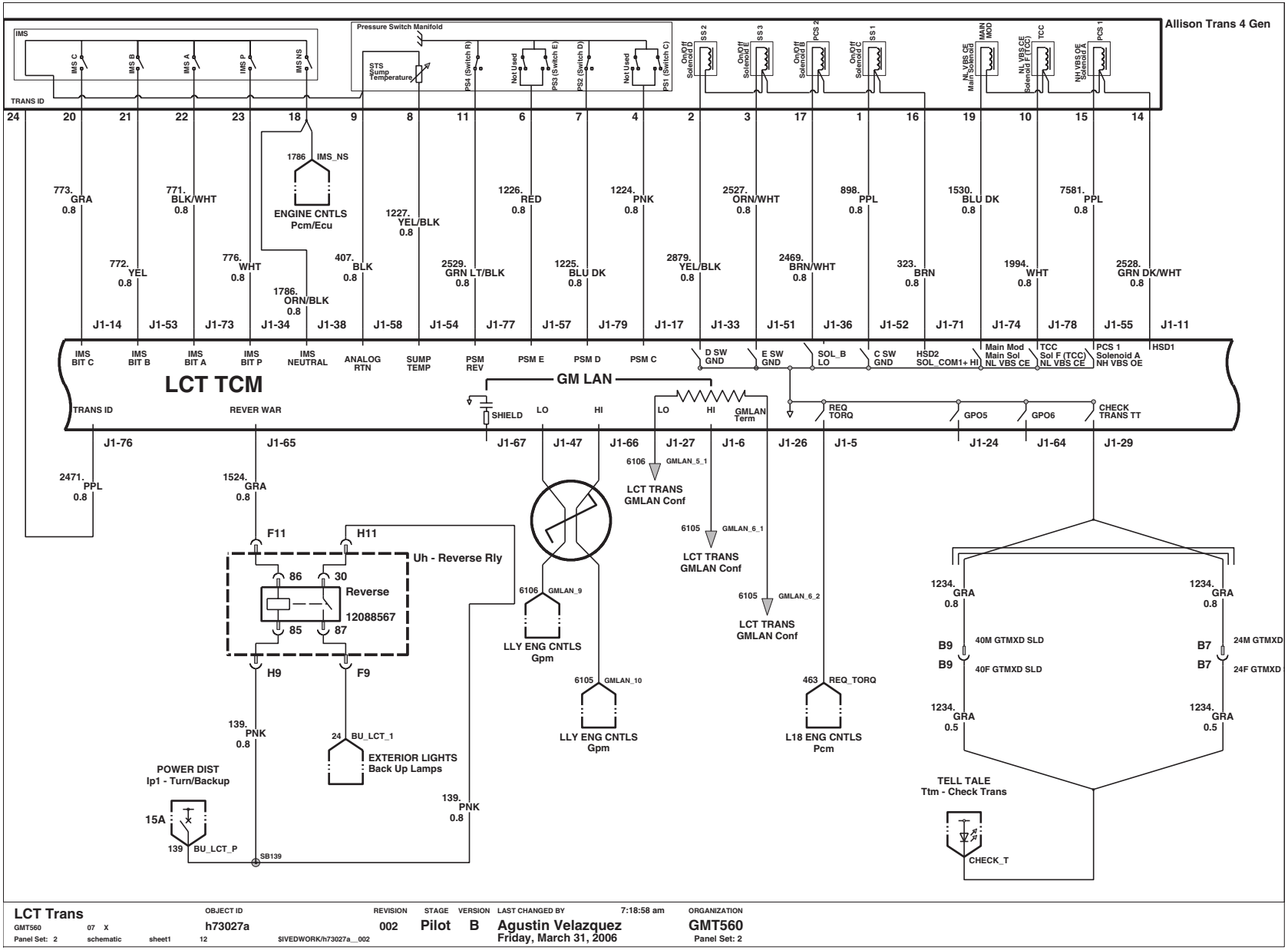


Heated Fuel/WIF (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73023b	001	Beta	0	Agustin Velazquez	7:18:23 am	GMT560
Panel Set: 1 schematic sheet1 5	$IVEDWORK/h73023b__001				Friday, March 31, 2006		Panel Set: 1

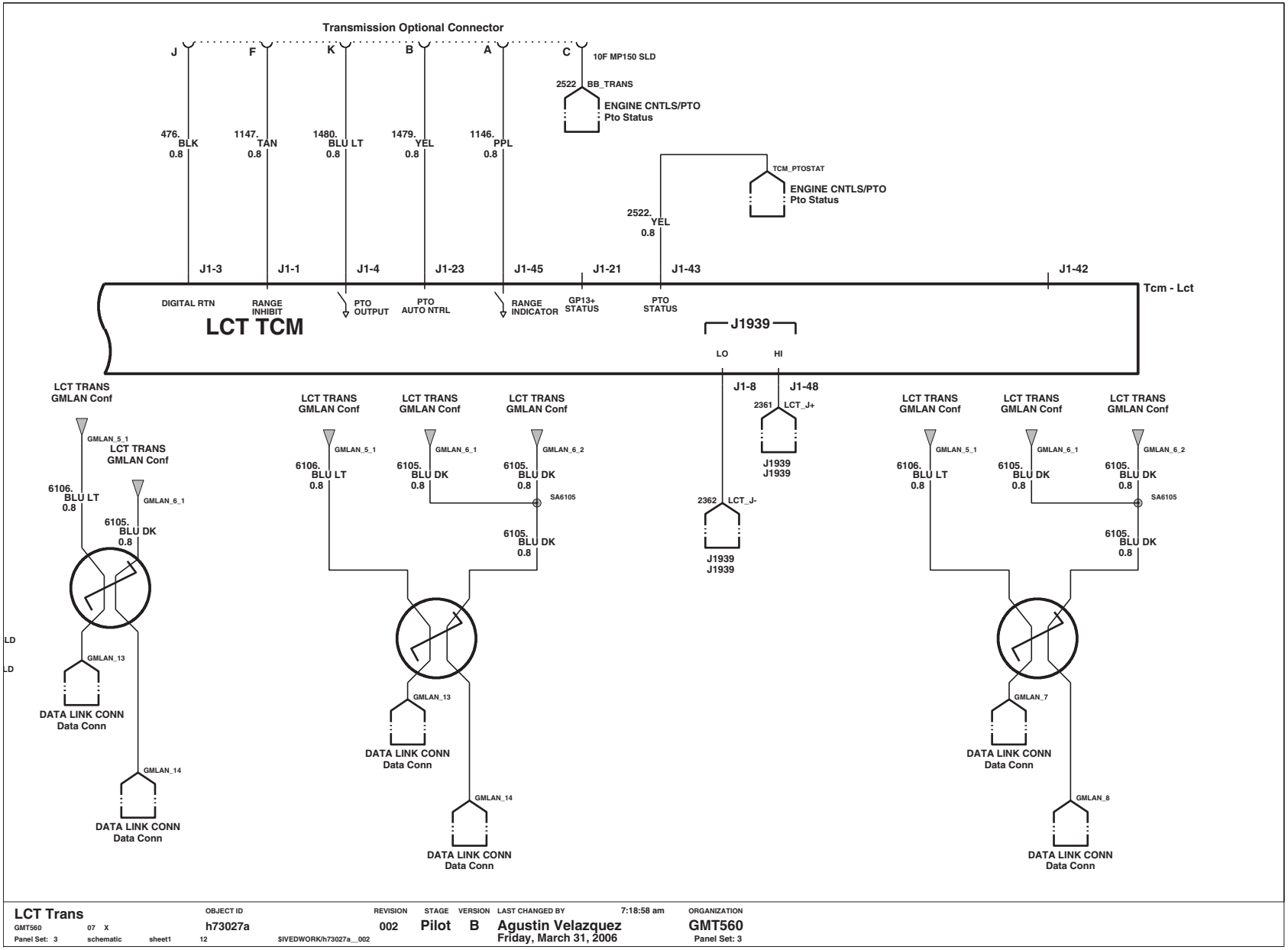
Automatic Transmission (LCT) Transmission Control Module



Automatic Transmission (LCT) Transmission Control Module

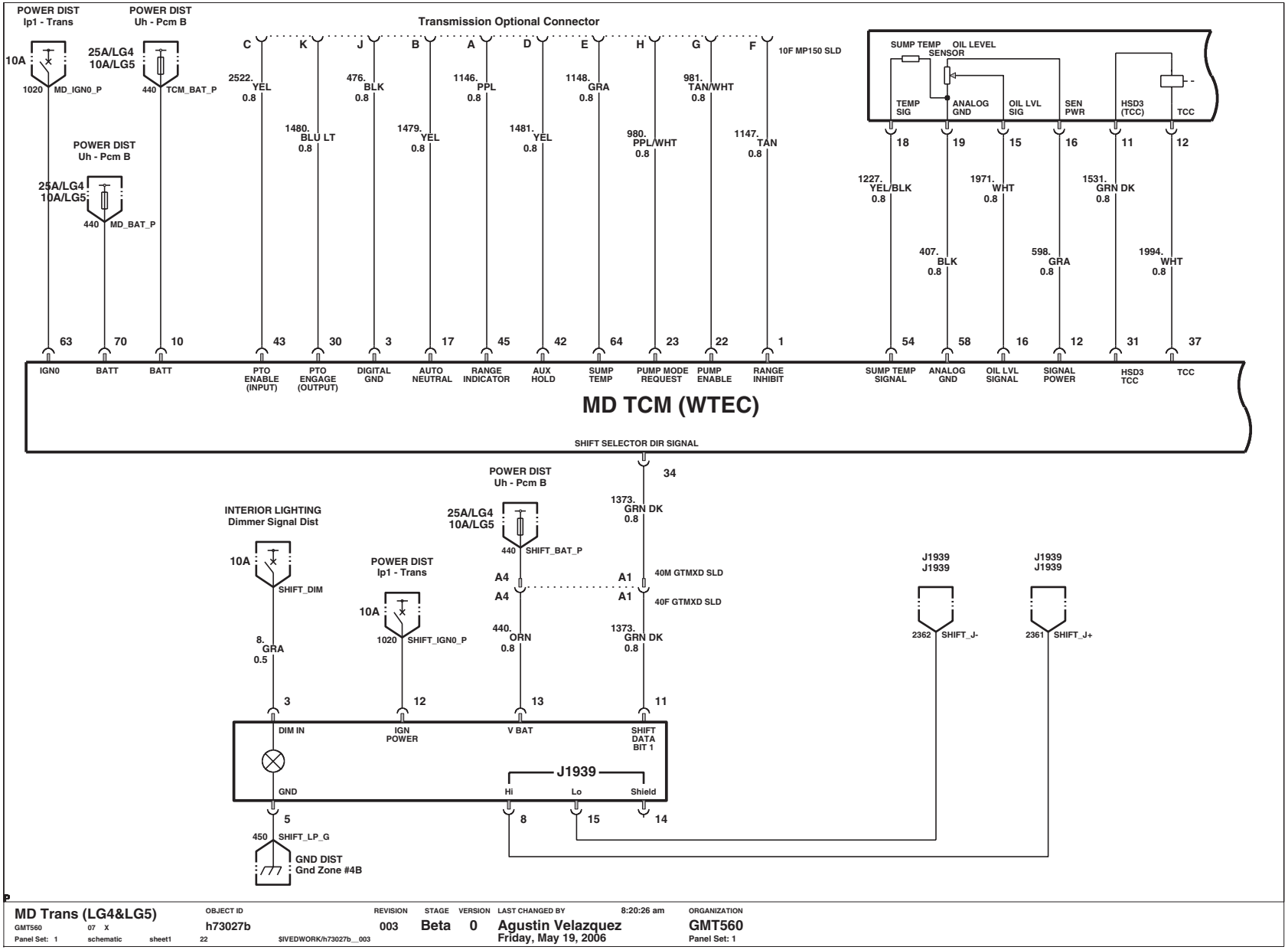


Automatic Transmission (LCT) Transmission Control Module



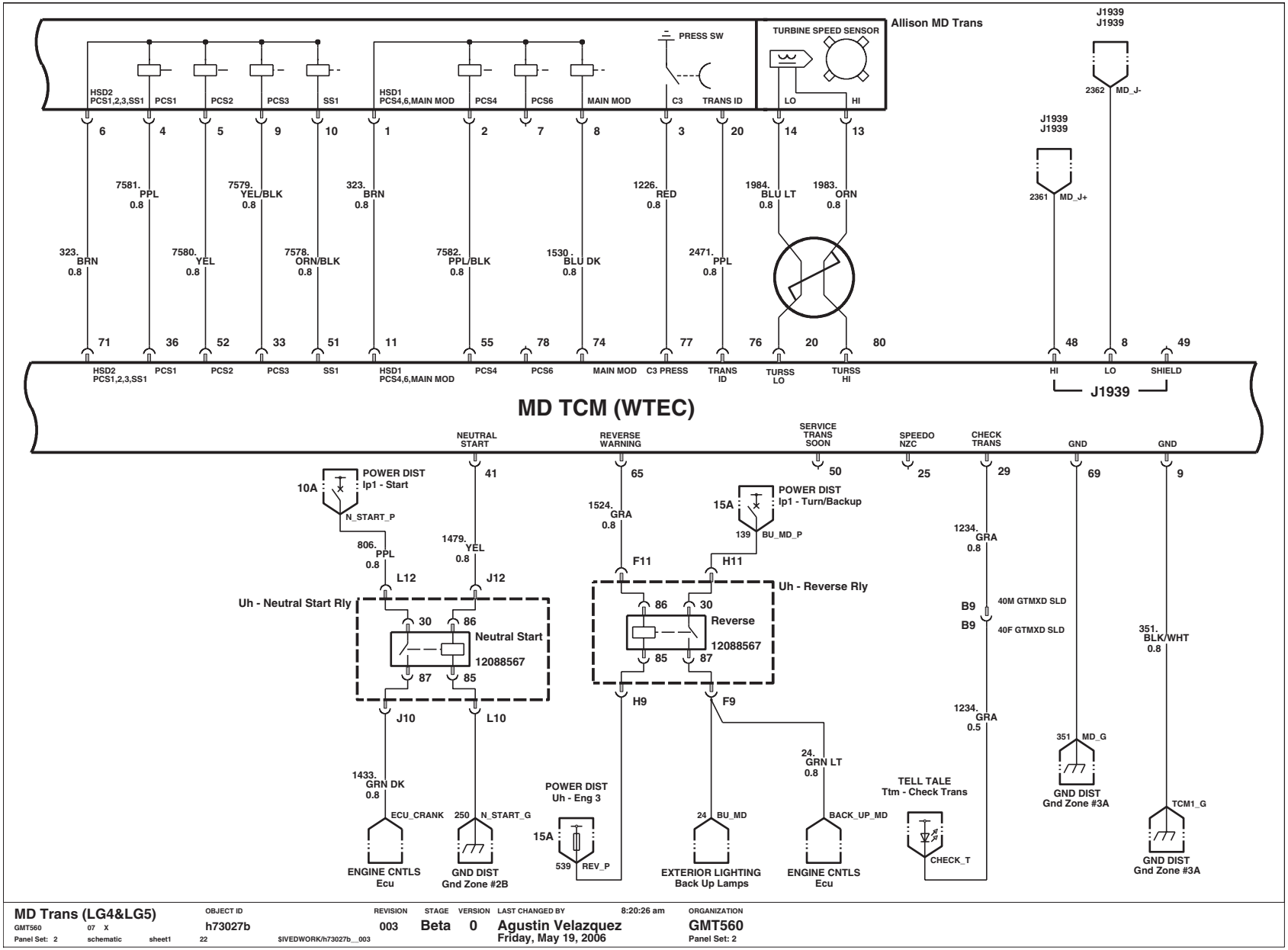
LCT Trans		OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560	07 X	h73027a	002	Pilot	B	Agustin Velazquez	7:18:58 am	GMT560
Panel Set: 3	schematic sheet1 12	$IVEDWORK/h73027a__002				Friday, March 31, 2006		Panel Set: 3

Automatic Transmission (MD) Transmission Control Module

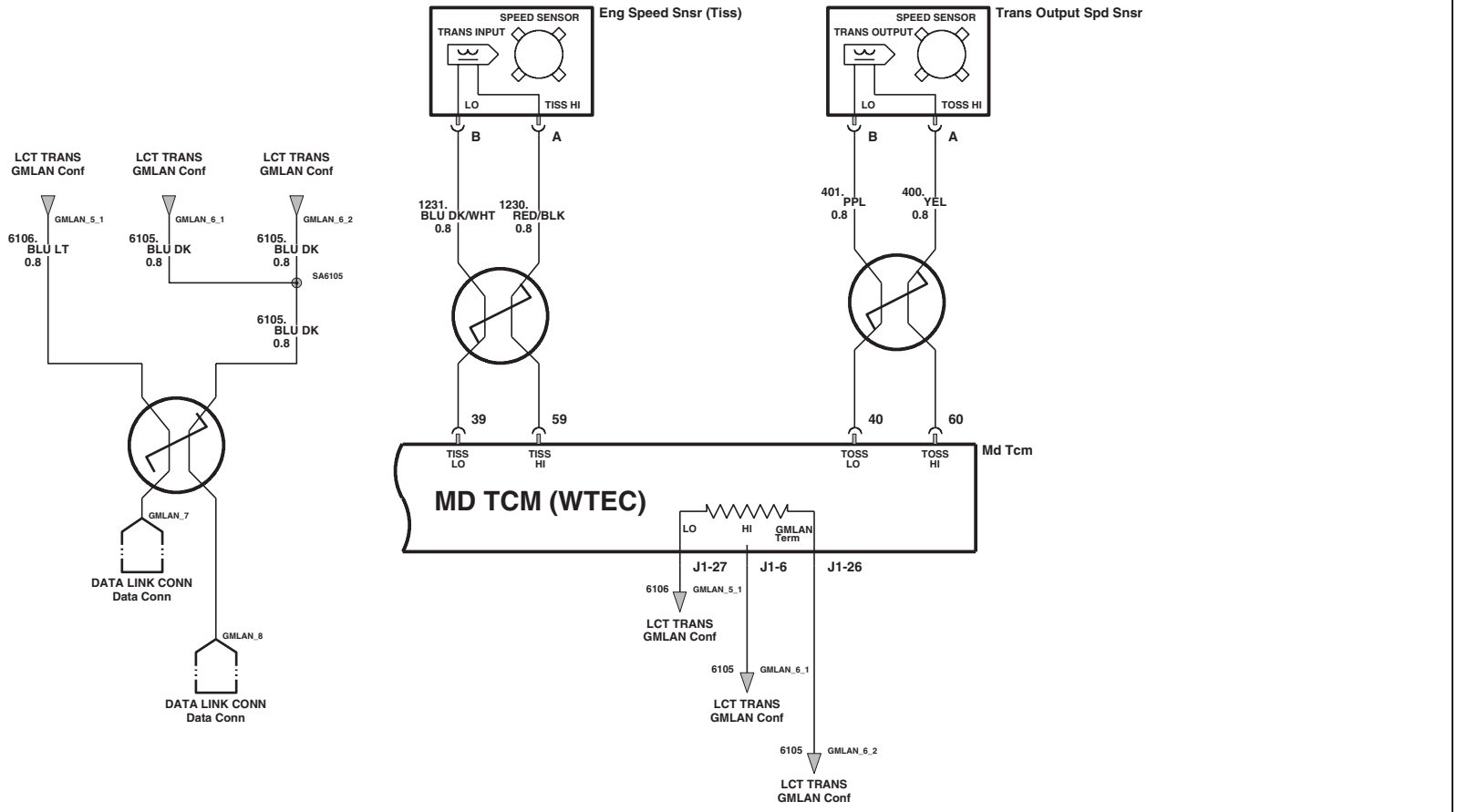


MD Trans (LG4&LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73027b	003	Beta	0	Agustin Velazquez	8:20:26 am	GMT560
Panel Set: 1 schematic sheet1 22	$\VEDWORK\h73027b__003				Friday, May 19, 2006		Panel Set: 1

Automatic Transmission (MD) Transmission Control Module (continued)



Automatic Transmission (MD) Transmission Control Module (continued)

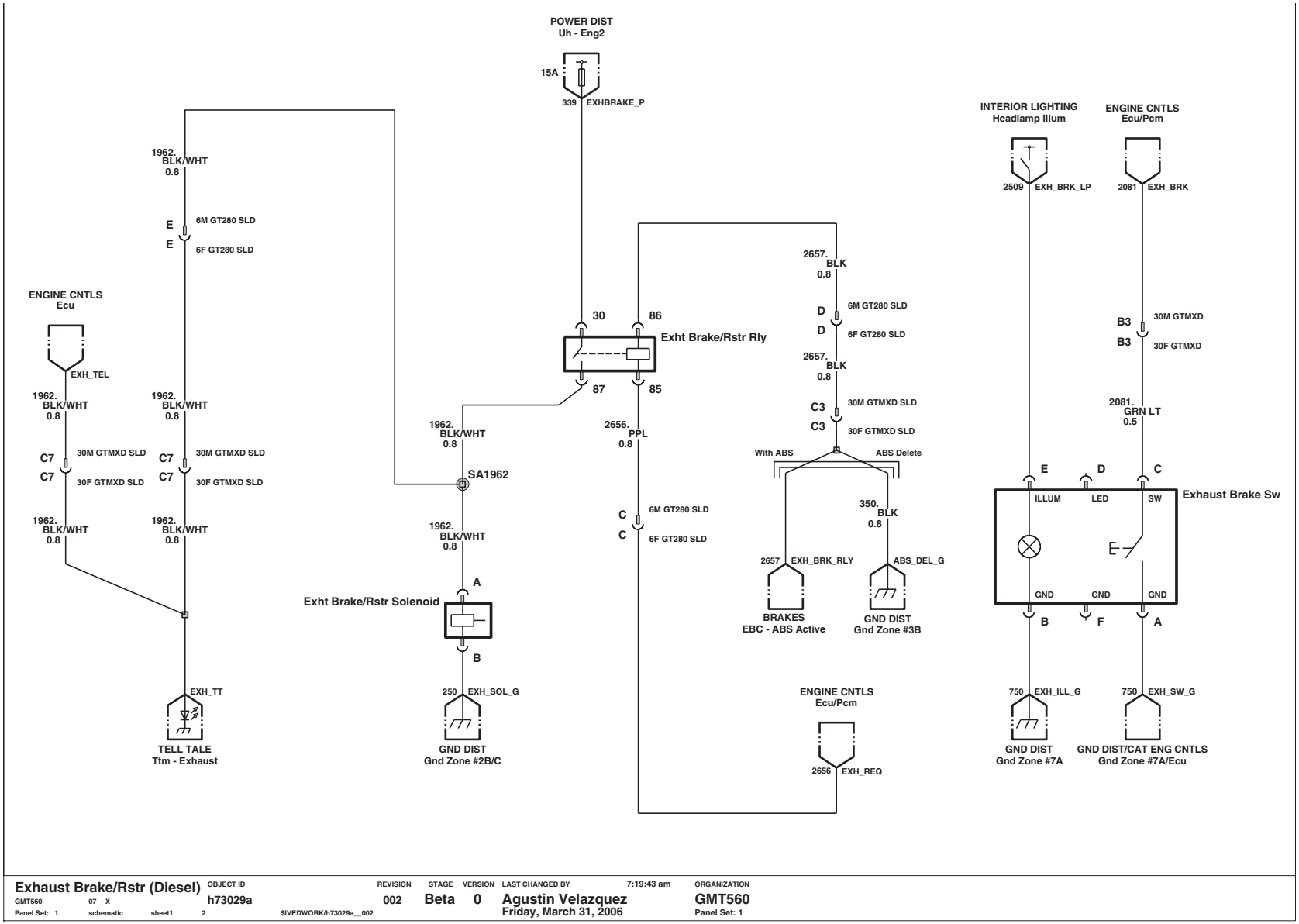


MD Trans (LG4&LG5) | OBJECT ID | REVISION | STAGE | VERSION | LAST CHANGED BY | 8:20:26 am | ORGANIZATION

GMT560 07 X | h73027b | 003 | Beta | 0 | Agustin Velazquez | GMT560

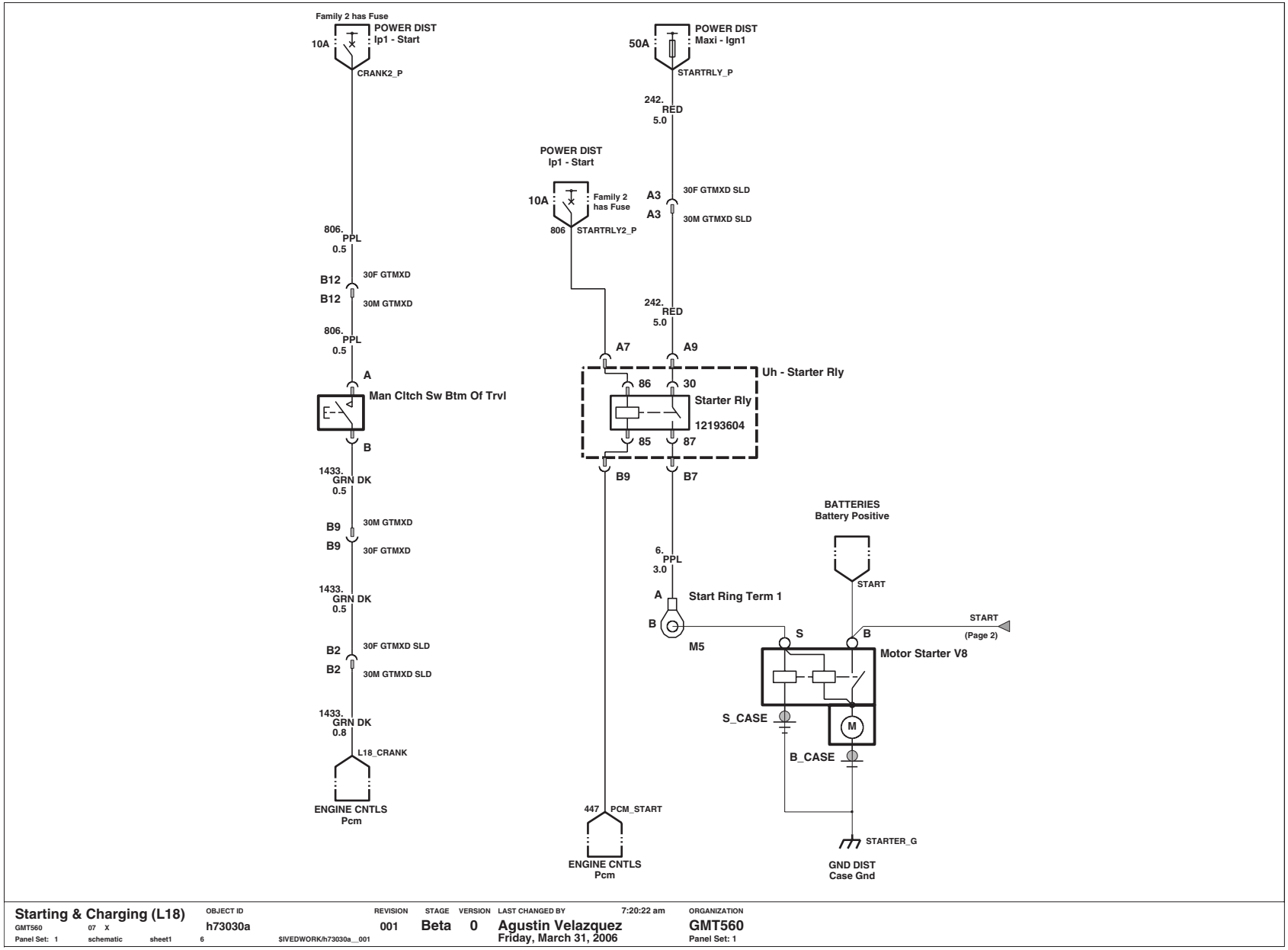
Panel Set: 3 schematic sheet1 22 $IVEDWORK/h73027b__003 | Friday, May 19, 2006 | Panel Set: 3

Exhaust Brake/Restrictor (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel – (LG4) 7.8L L6 Isuzu 6H - Diesel – (LG5) 7.2L L6 Caterpillar® C7 - Diesel



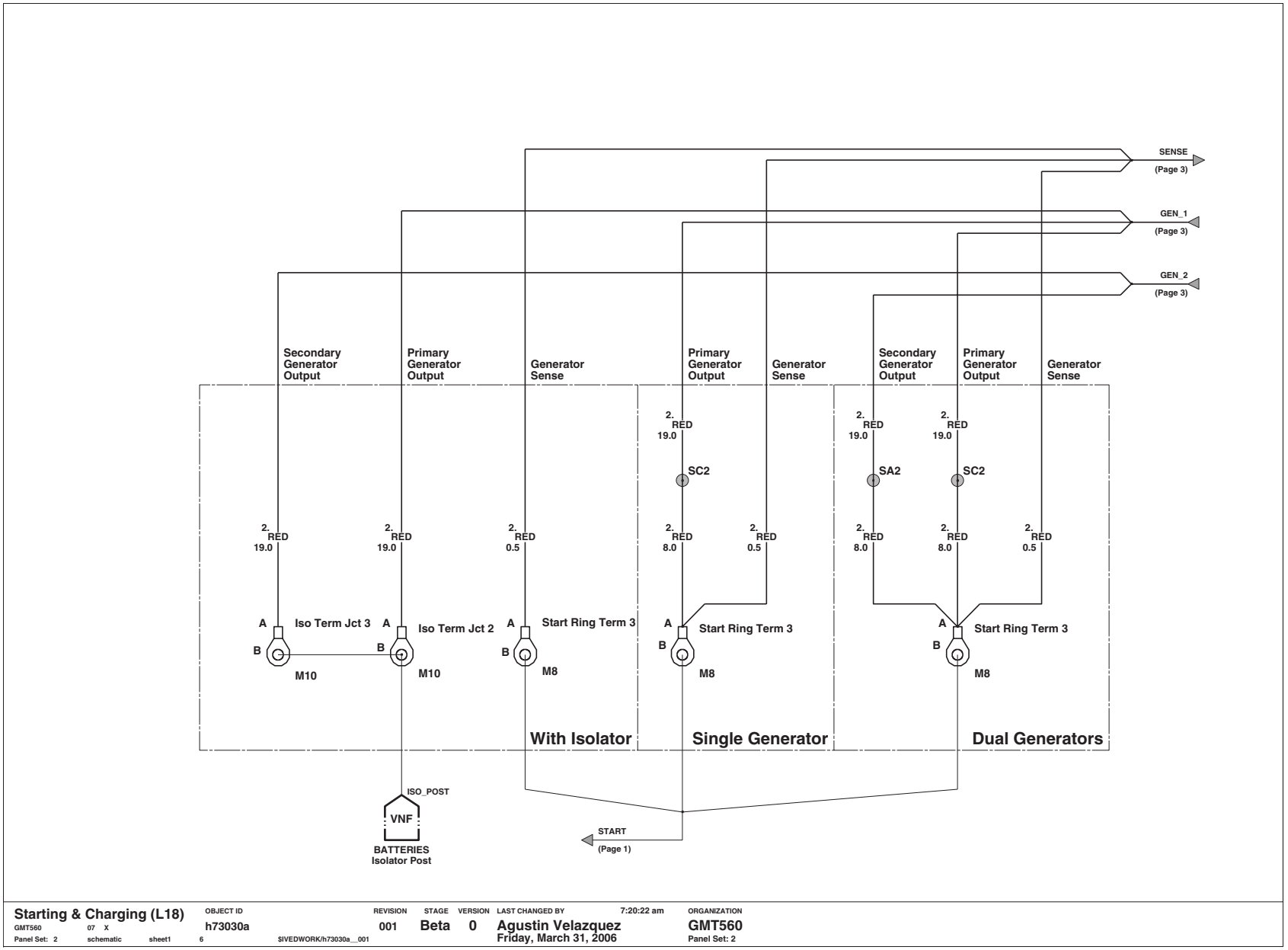
Exhaust Brake/Rstr (Diesel)	OBJECT ID		REVISION	STAGE	VERSION	LAST CHANGED BY	7:19:43 am	ORGANIZATION
GMT560 07 X	h73029a		002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 2	SIVEDWORK/h73029a__002					Friday, March 31, 2006		Panel Set: 1

Starting & Charging (L18) 8.1L V8 GMPT VORTEC® - Gas



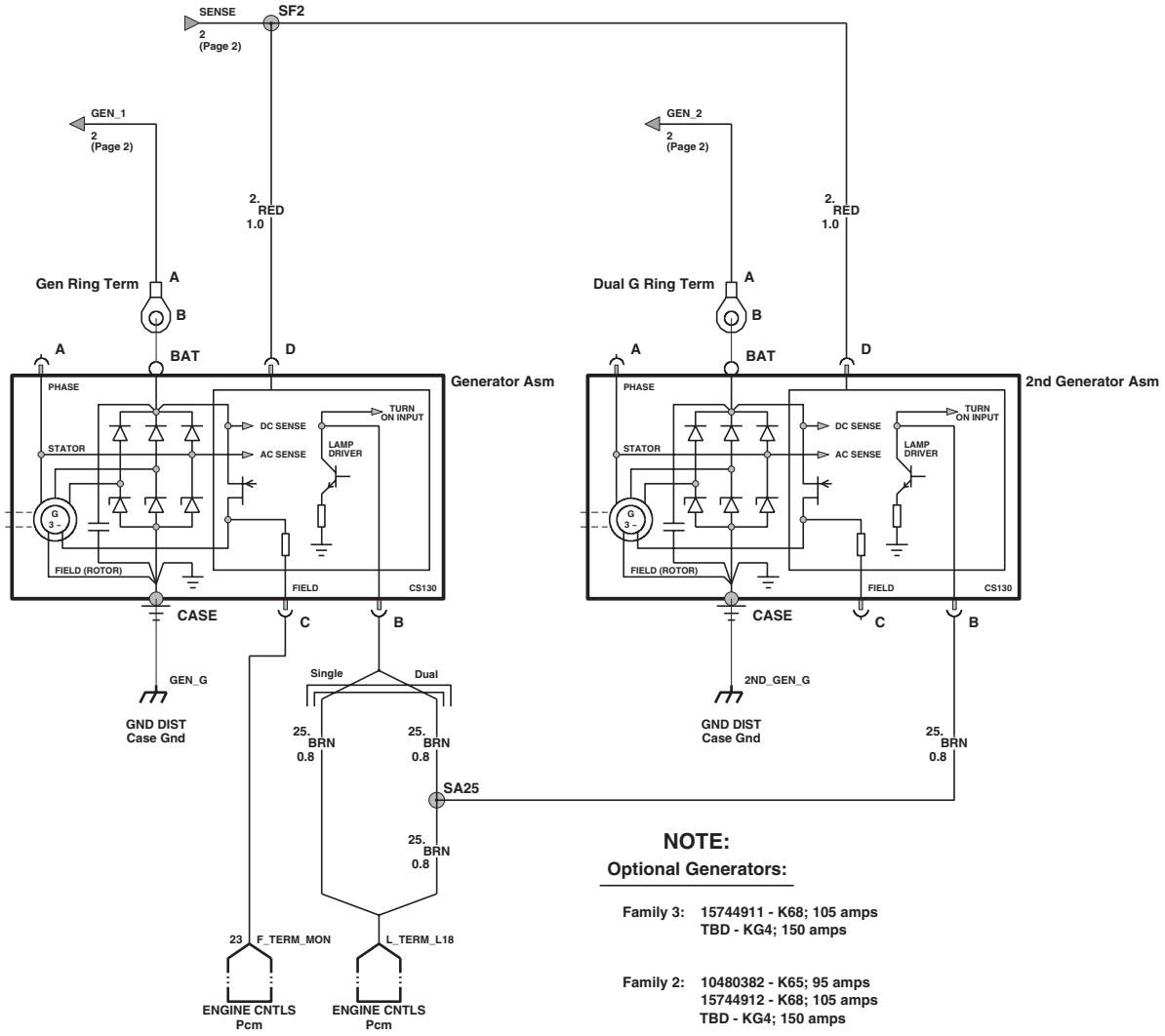
Starting & Charging (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73030a	001	Beta	0	Agustin Velazquez	7:20:22 am	GMT560
Panel Set: 1 schematic sheet1 6	$IVEDWORK/h73030a__001				Friday, March 31, 2006		Panel Set: 1

Starting & Charging (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



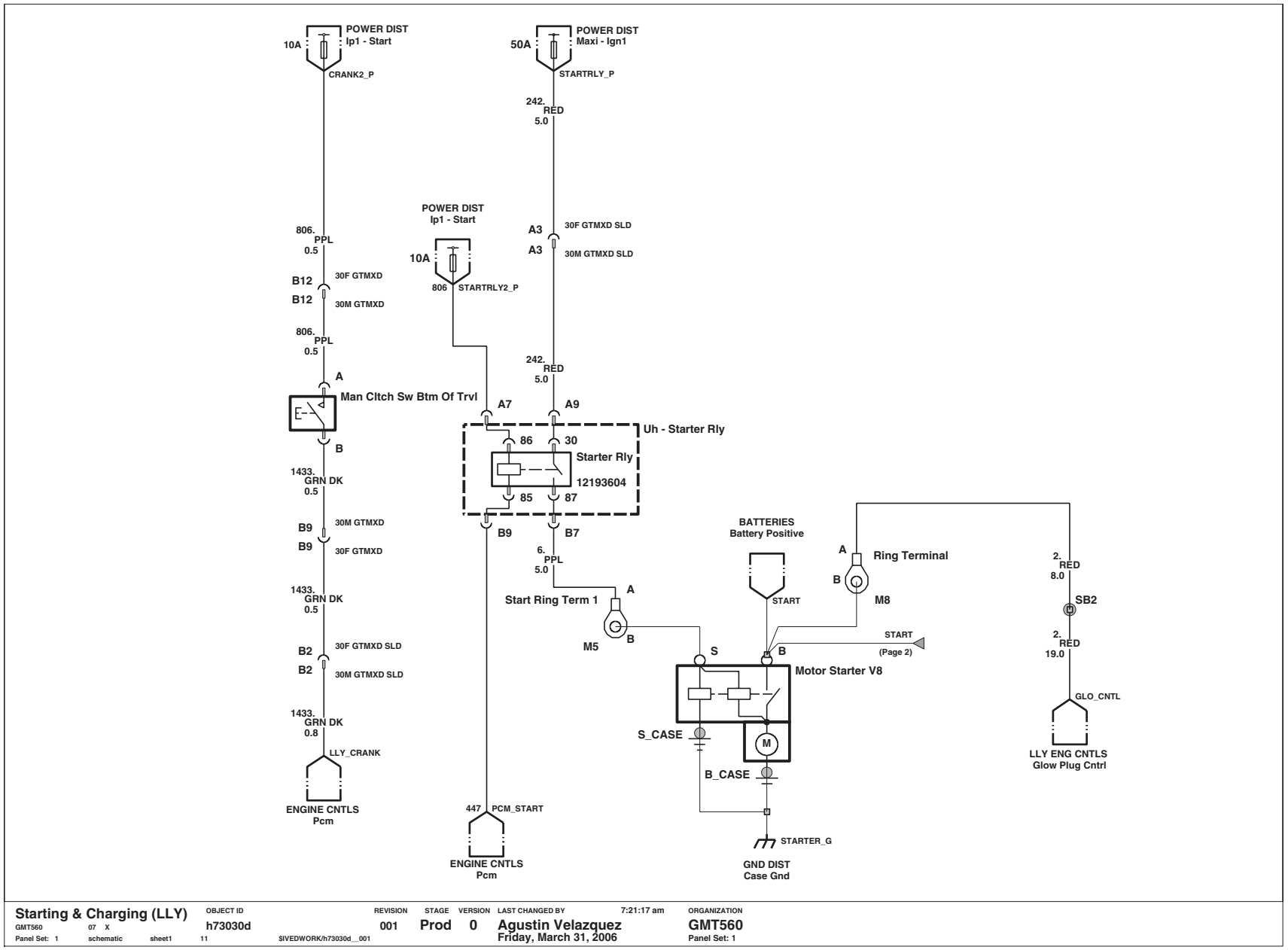
Starting & Charging (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:20:22 am	ORGANIZATION
GMT560 07 X	h73030a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 6	$IVEDWORK/h73030a__001				Friday, March 31, 2006		Panel Set: 2

Starting & Charging (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)



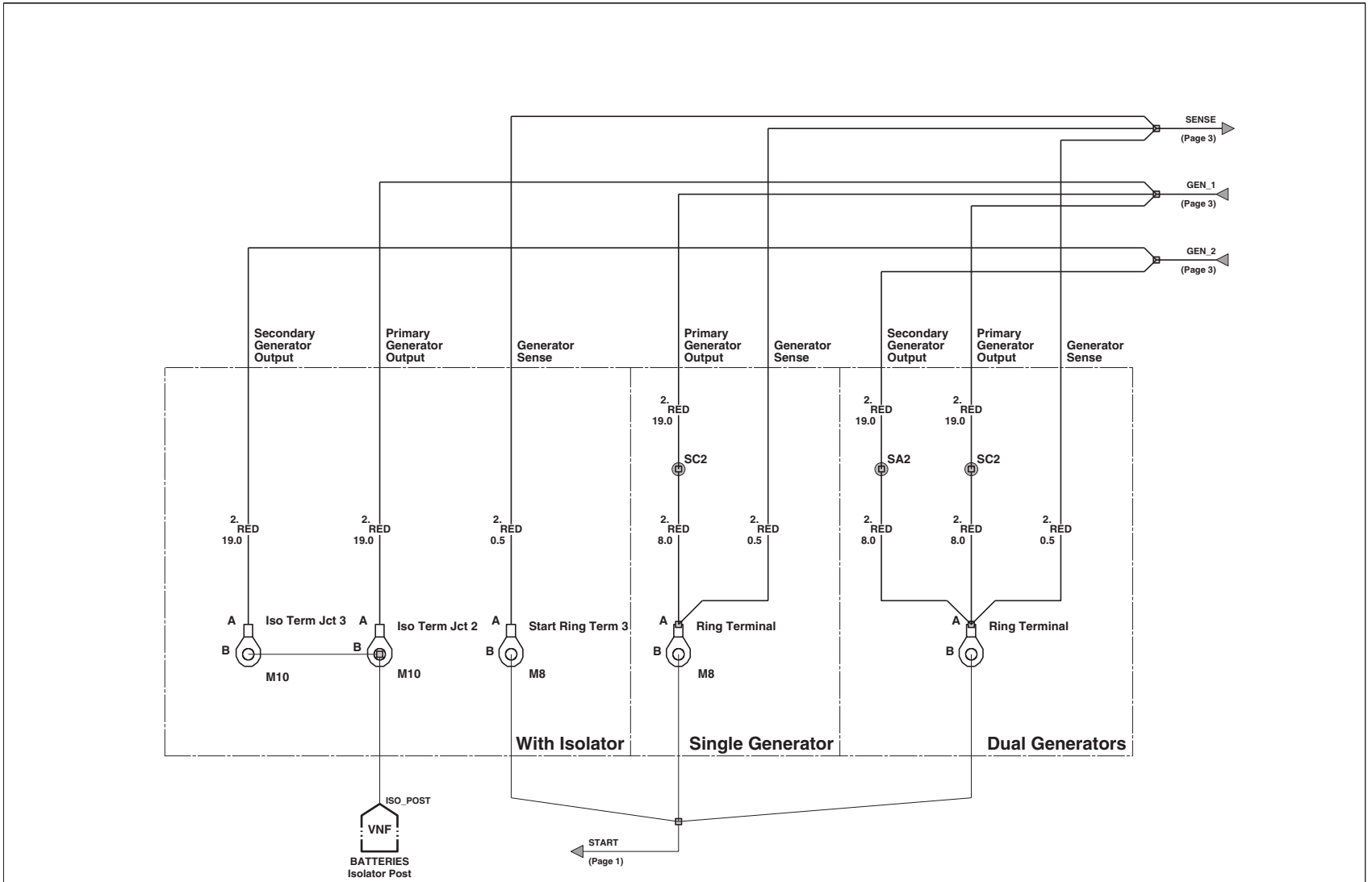
Starting & Charging (L18)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:20:22 am	ORGANIZATION
GMT560 07 X	h73030a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 3 schematic sheet1 6	$IVEDWORK/h73030a__001				Friday, March 31, 2006		Panel Set: 3

Starting & Charging (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel



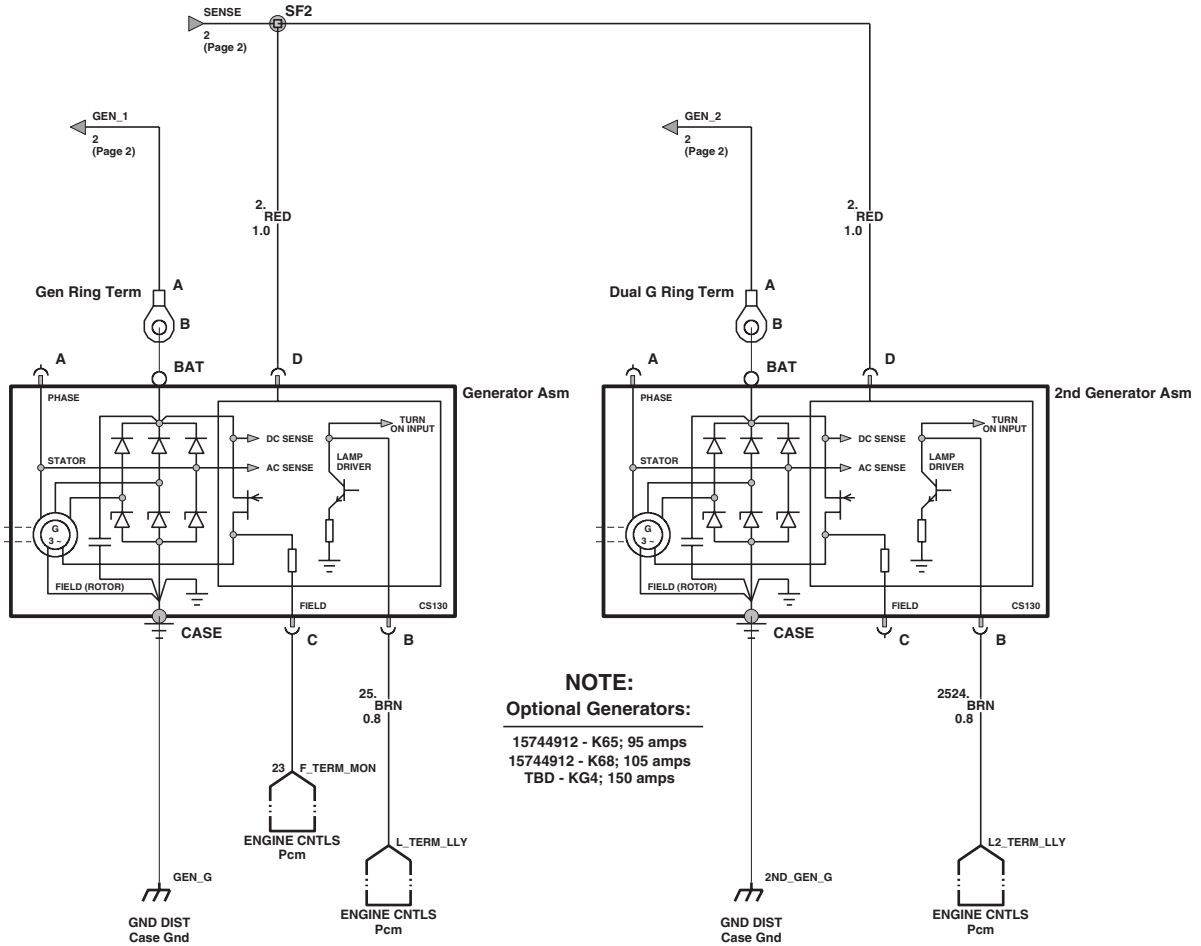
Starting & Charging (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73030d	001	Prod	0	Agustin Velazquez	7:21:17 am	GMT560
Panel Set: 1 schematic sheet1 11	$IVEDWORK/h73030d__001				Friday, March 31, 2006		Panel Set: 1

Starting & Charging (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



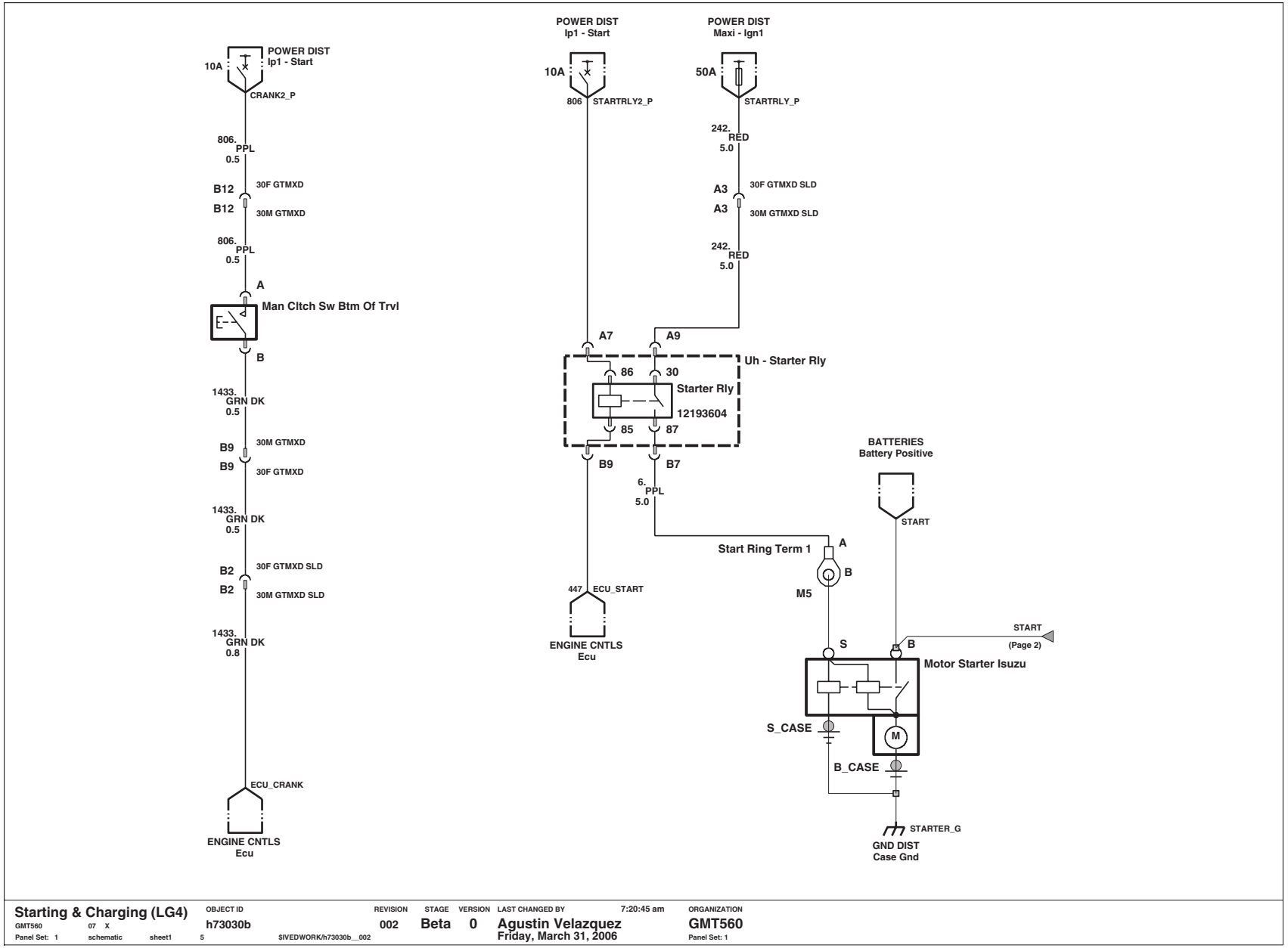
Starting & Charging (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:21:17 am	ORGANIZATION
GMT560 07 X	h73030d	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 11 $IVEDWORK/h73030d__001					Friday, March 31, 2006		Panel Set: 2

Starting & Charging (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel (continued)



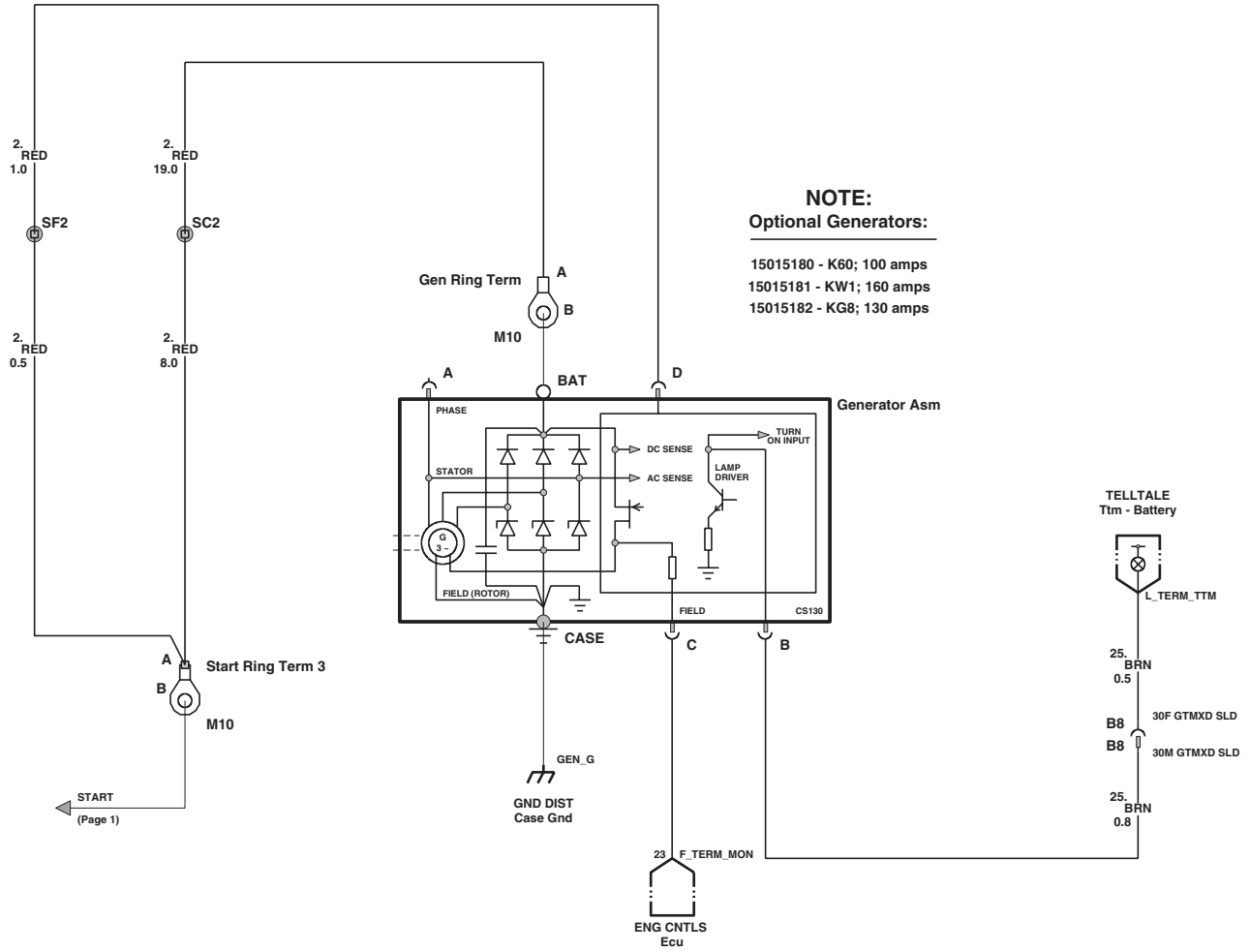
Starting & Charging (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73030d	001	Prod	0	Agustin Velazquez	7:21:17 am	GMT560
Panel Set: 3 schematic sheet1 11	$IVEDWORK/h73030d__001				Friday, March 31, 2006		Panel Set: 3

Starting & Charging (LG4) 7.8L L6 Isuzu 6H - Diesel



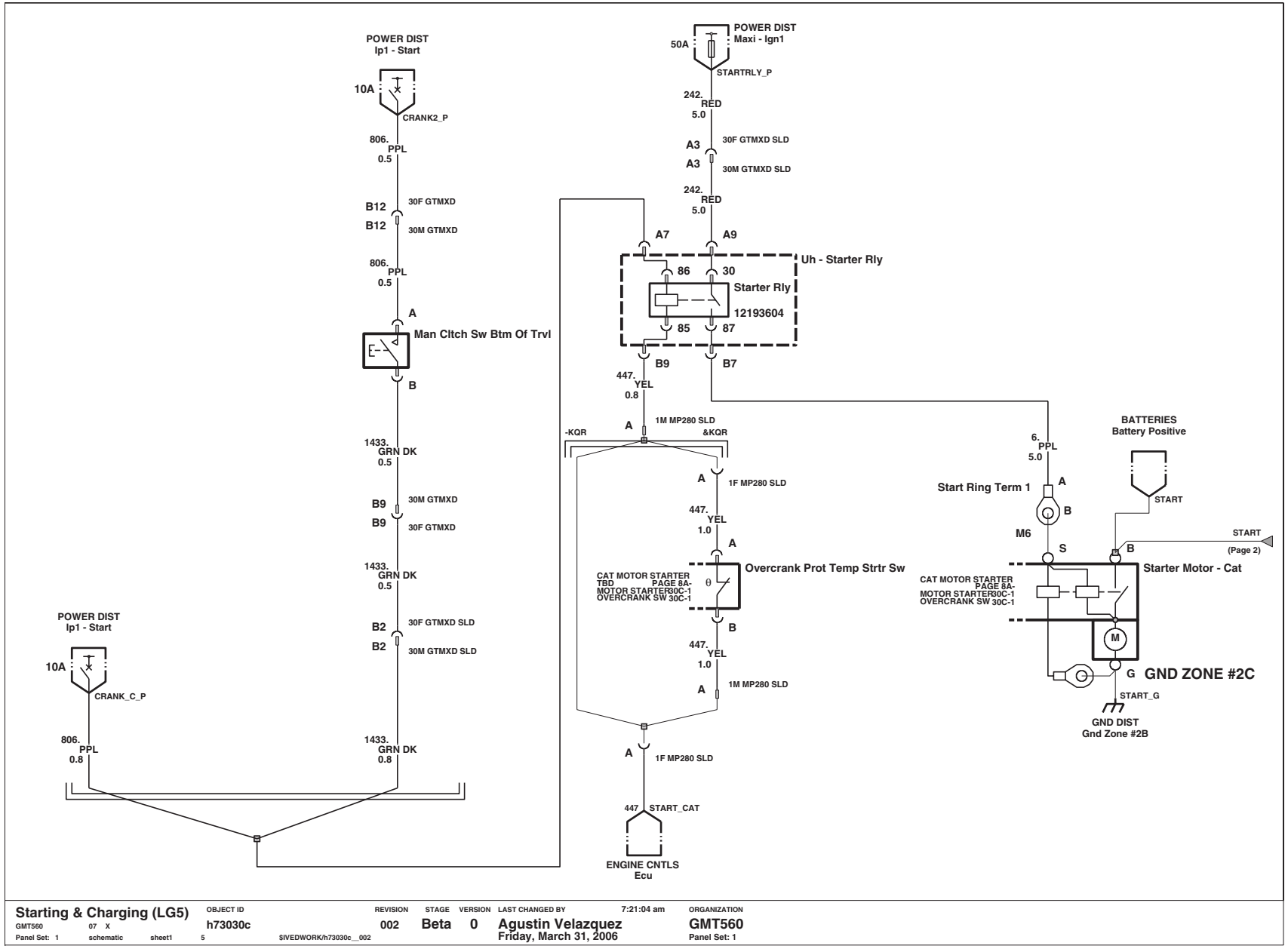
Starting & Charging (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73030b	002	Beta	0	Agustin Velazquez	7:20:45 am	GMT560
Panel Set: 1 schematic sheet1 5	$IVEDWORK/h73030b__002				Friday, March 31, 2006		Panel Set: 1

Starting & Charging (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)



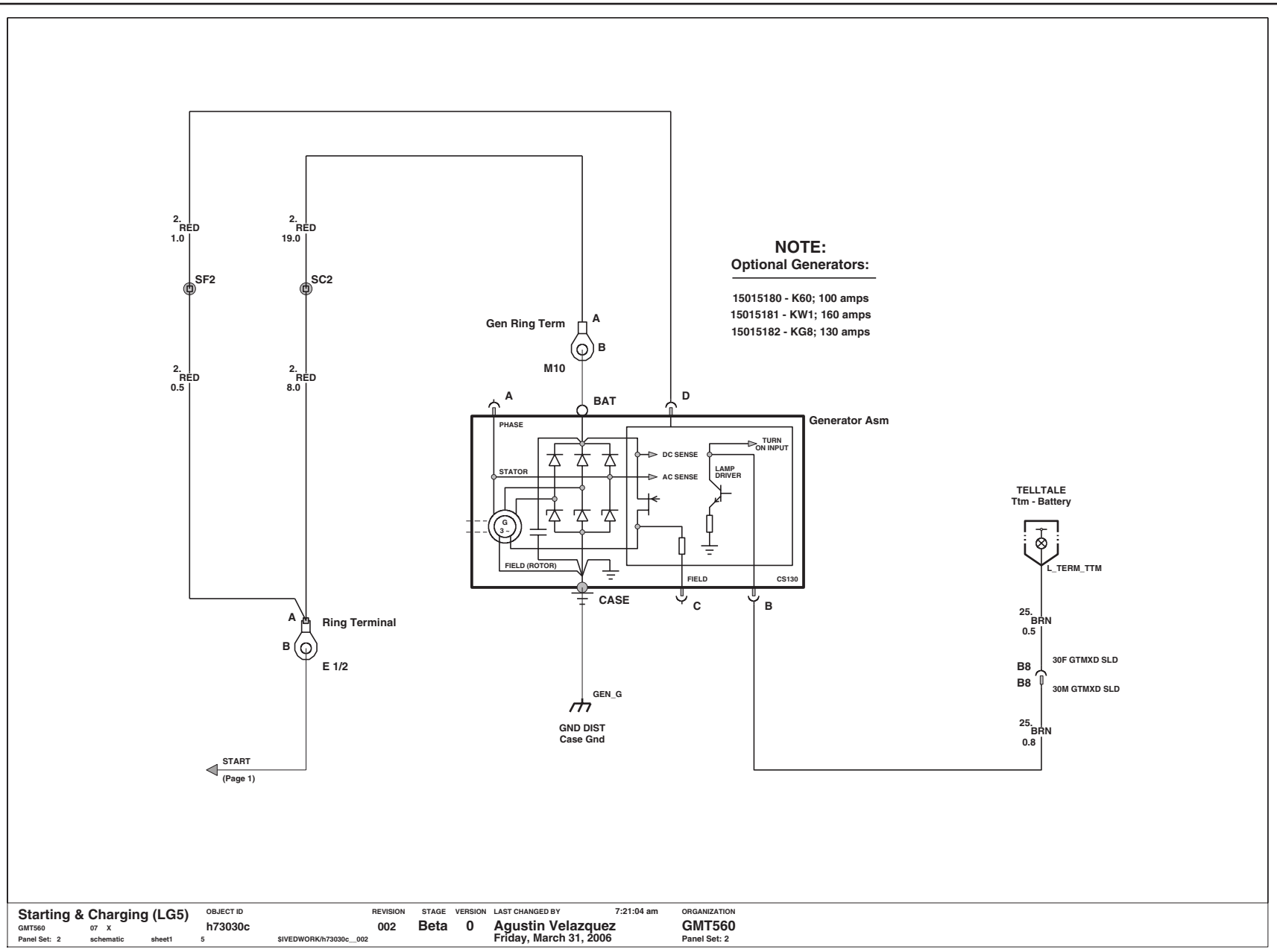
Starting & Charging (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73030b	002	Beta	0	Agustin Velazquez	7:20:45 am	GMT560
Panel Set: 2 schematic sheet1 5	$IVEDWORK/h73030b__002				Friday, March 31, 2006		Panel Set: 2

Starting & Charging (LG5) 7.2L L6 Caterpillar® C7 - Diesel



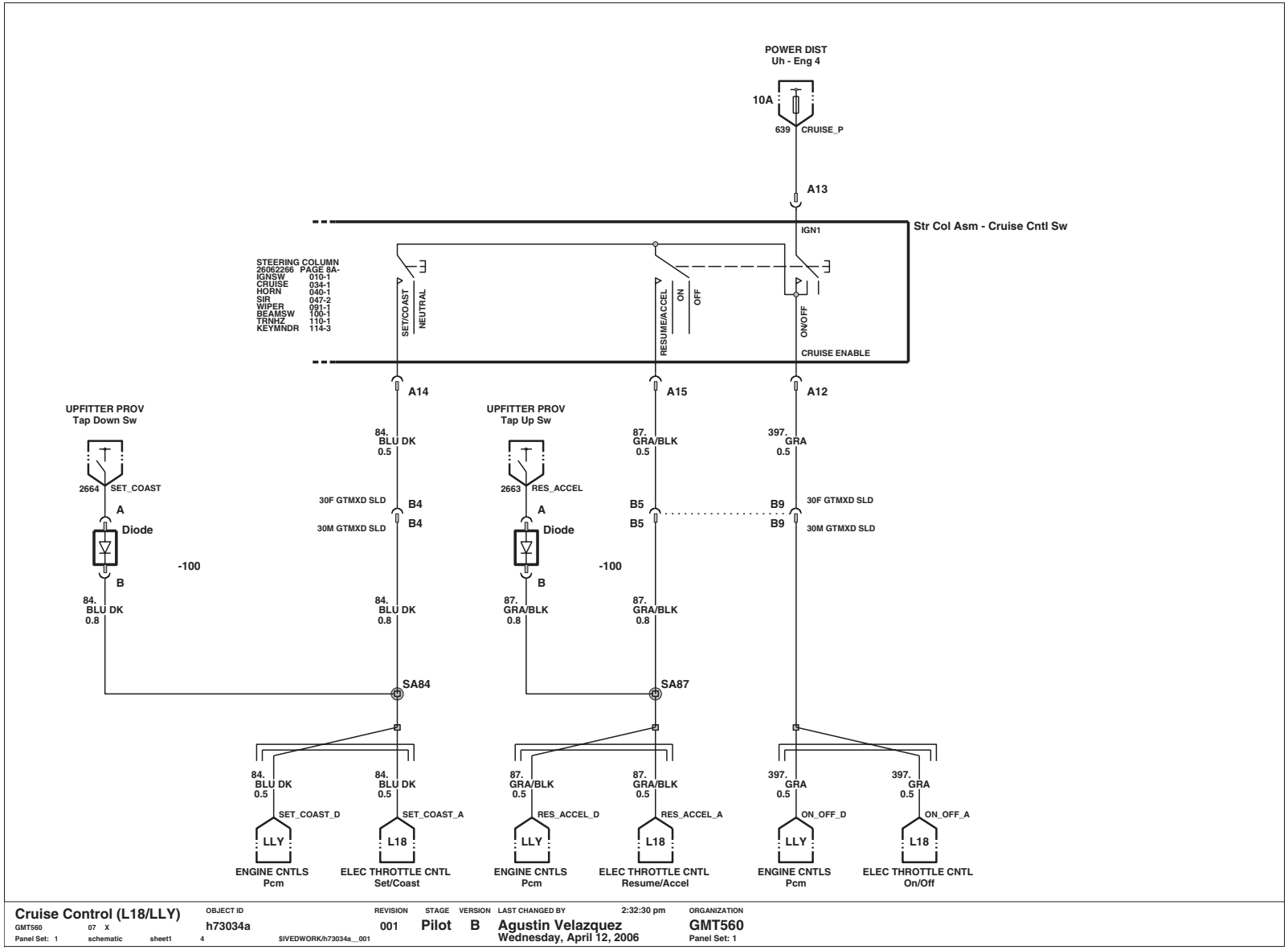
Starting & Charging (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73030c	002	Beta	0	Agustin Velazquez	7:21:04 am	GMT560
Panel Set: 1 schematic sheet1 5	$IVEDWORK/h73030c__002				Friday, March 31, 2006		Panel Set: 1

Starting & Charging (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



Starting & Charging (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73030c	002	Beta	0	Agustin Velazquez	7:21:04 am	GMT560
Panel Set: 2 schematic sheet1 5	$IVEDWORK/h73030c__002				Friday, March 31, 2006		Panel Set: 2

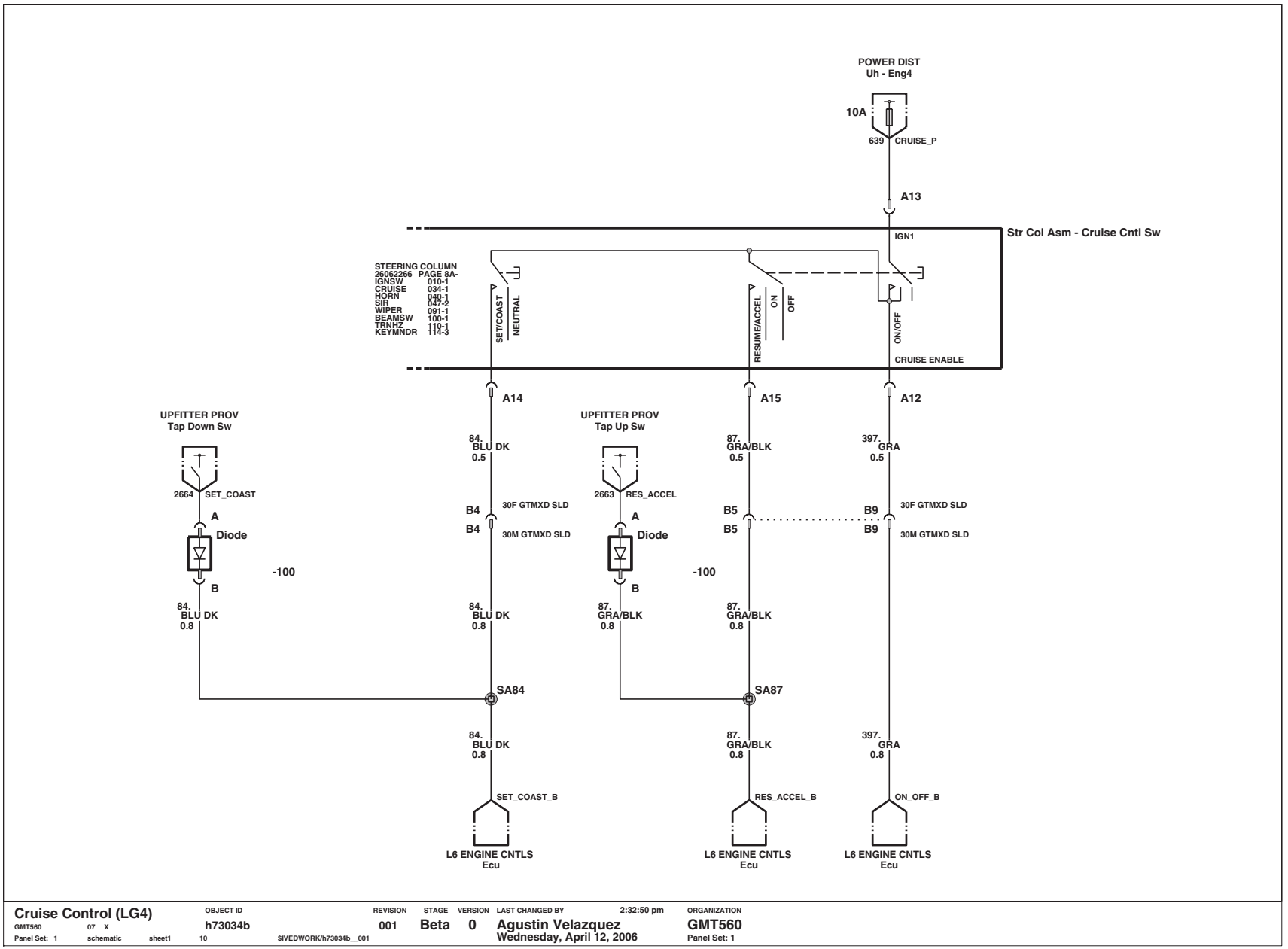
Cruise Control (L18) 8.1L V8 GMPT VORTEC® - Gas – (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel



Cruise Control (L18/LLY) | OBJECT ID h73034a | REVISION 001 | STAGE Pilot | VERSION B | LAST CHANGED BY Agustin Velazquez | 2:32:30 pm Wednesday, April 12, 2006 | ORGANIZATION GMT560 Panel Set: 1

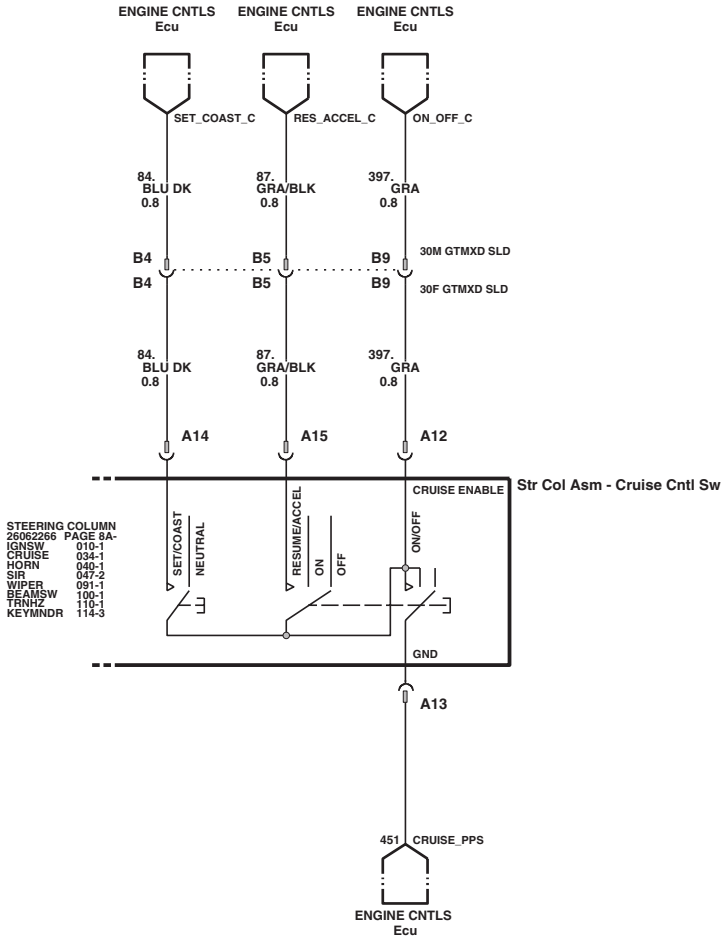
GMT560 07 X Panel Set: 1 schematic sheet1 4 $IVEDWORK/h73034a__001

Cruise Control (LG4) 7.8L L6 Isuzu 6H - Diesel



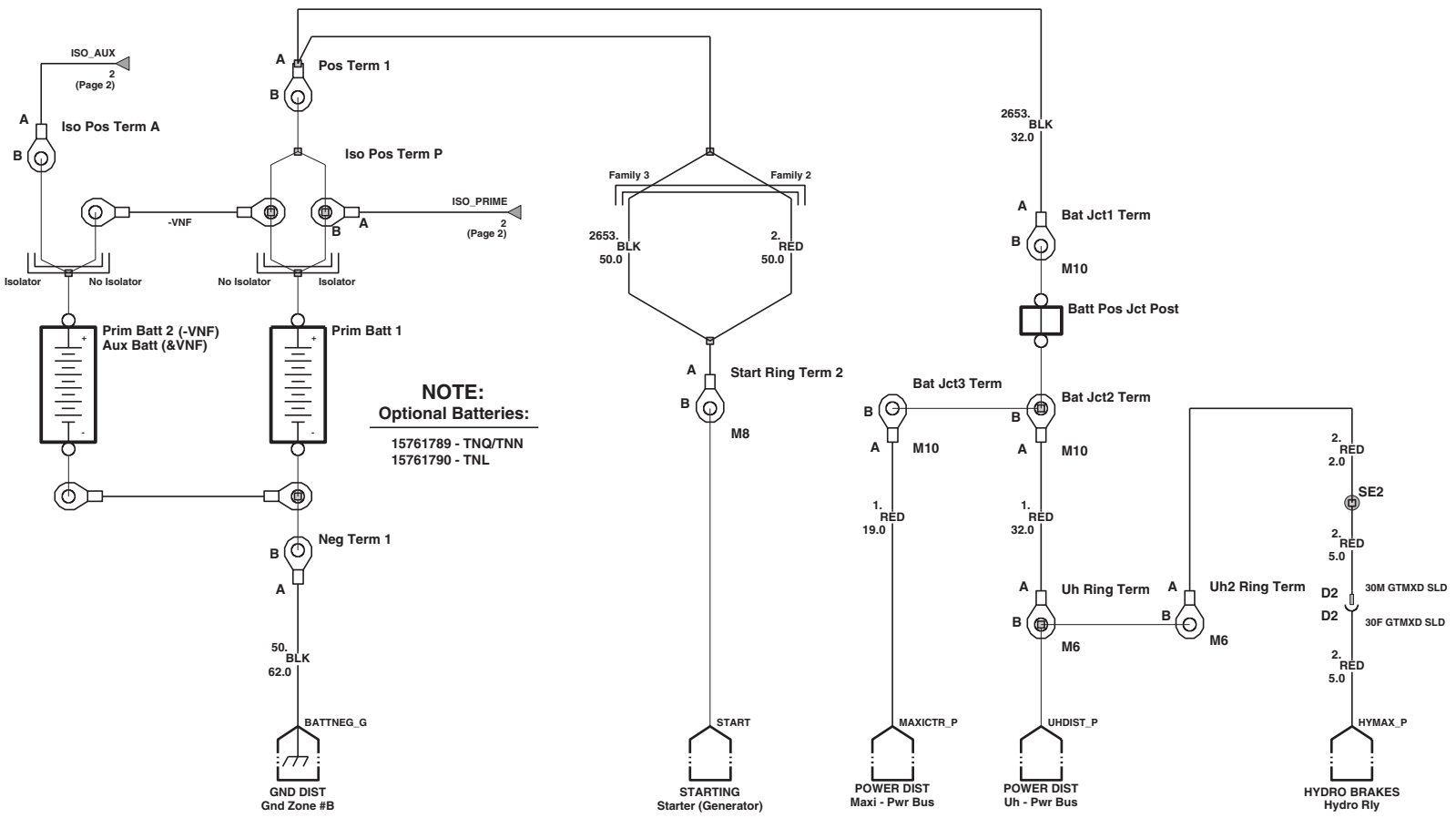
Cruise Control (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73034b	001	Beta	0	Agustin Velazquez	2:32:50 pm	GMT560
Panel Set: 1 schematic sheet1 10	$IVEDWORK/h73034b__001				Wednesday, April 12, 2006		Panel Set: 1

Cruise Control (LG5) 7.2L L6 Caterpillar® C7 - Diesel



Cruise Control (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73034c	001	Pilot	0	Agustin Velazquez	2:33:15 pm	GMT560
Panel Set: 1 schematic sheet1 3	$IVEDWORK/h73034c__001				Wednesday, April 12, 2006		Panel Set: 1

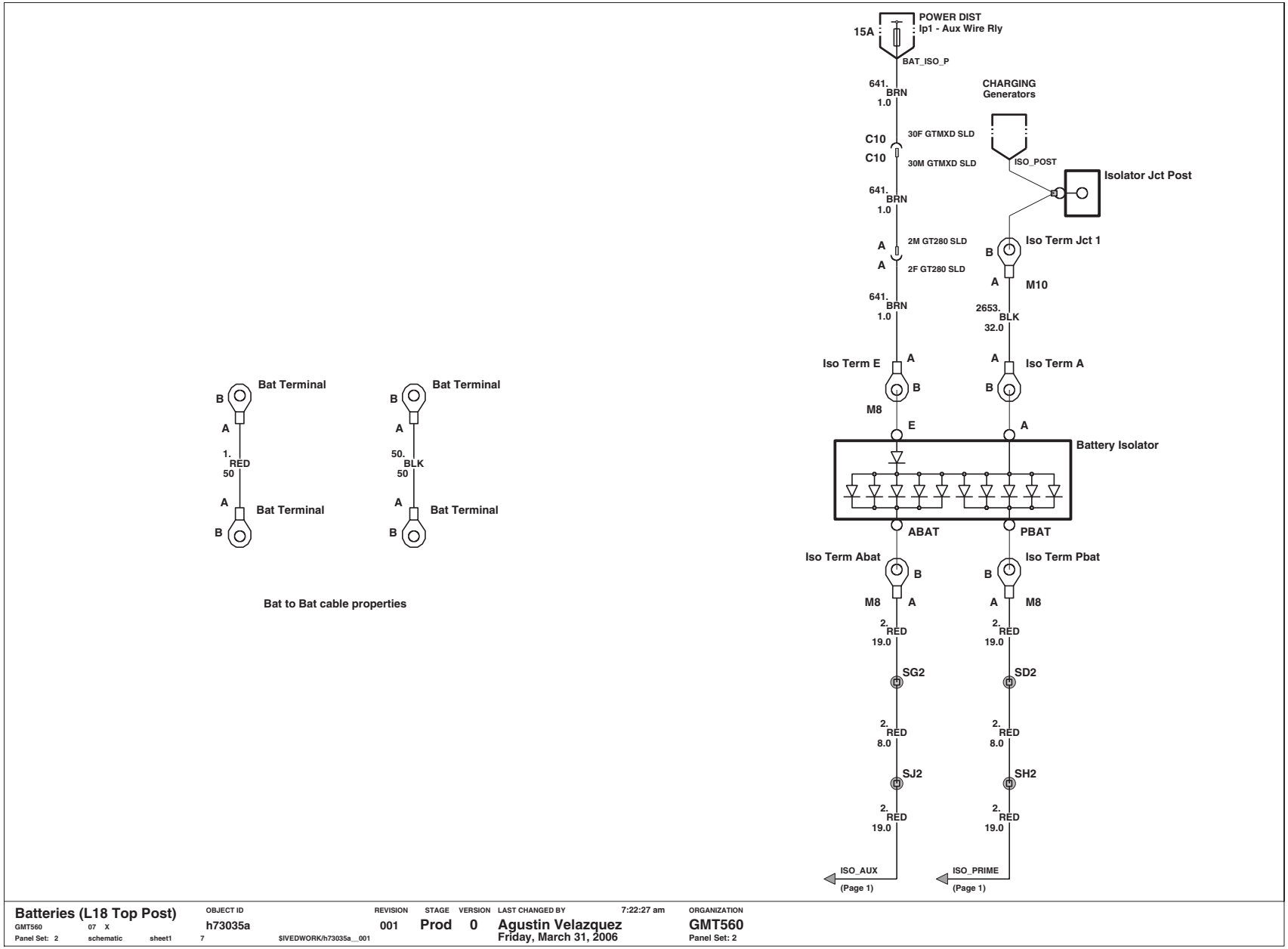
Batteries - Top Post (L18) 8.1L V8 GMPT VORTEC® - Gas



See Page 2 for Bat to Bat cable properties

Batteries (L18 Top Post)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73035a	001	Prod	0	Agustin Velazquez	7:22:27 am	GMT560
Panel Set: 1 schematic sheet1 7	$IVEDWORK/h73035a__001				Friday, March 31, 2006		Panel Set: 1

Batteries - Top Post (L18) 8.1L V8 GMPT VORTEC® - Gas (continued)

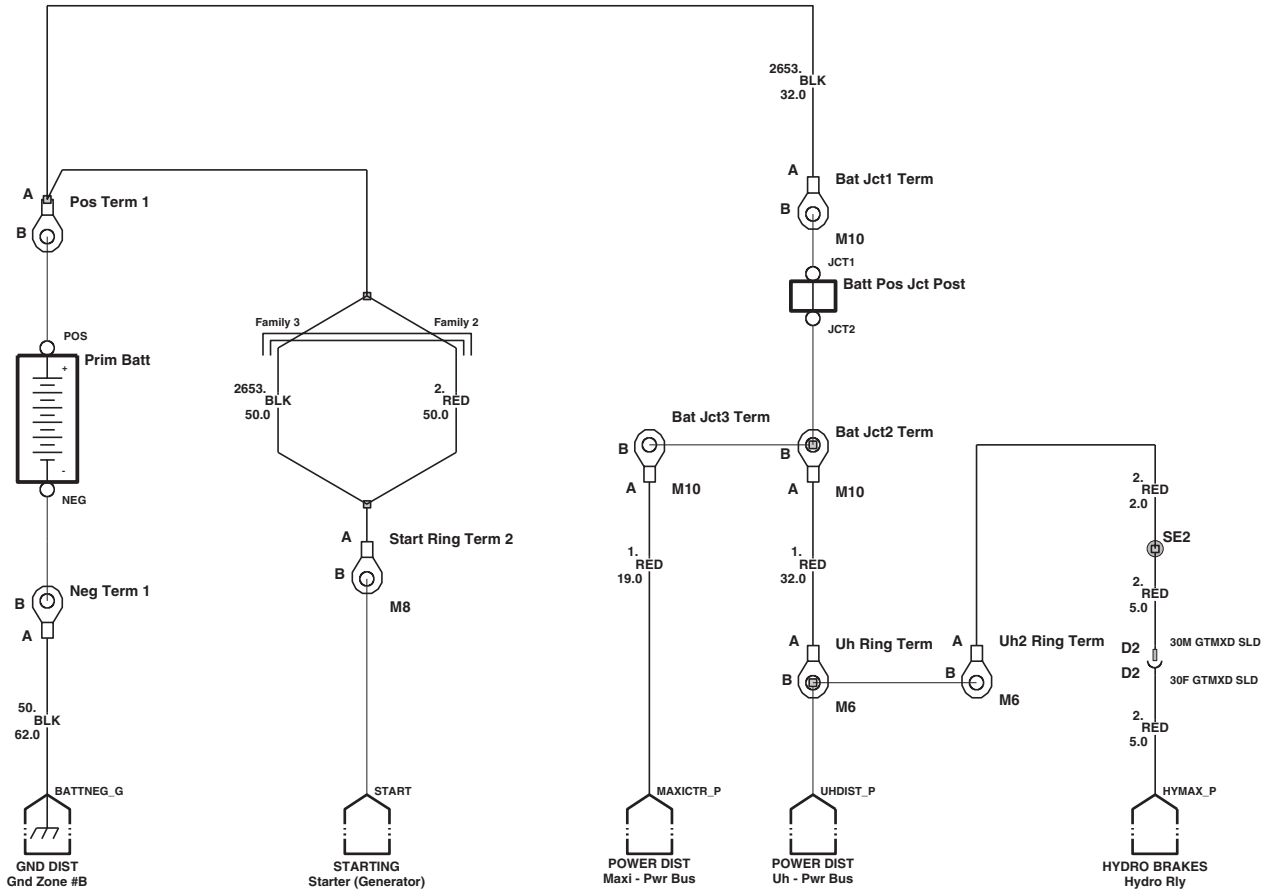


Batteries (L18 Top Post)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73035a	001	Prod	0	Agustin Velazquez	7:22:27 am	GMT560
Panel Set: 2 schematic sheet1 7	$IVEDWORK/h73035a__001				Friday, March 31, 2006		Panel Set: 2

Batteries - Side Post (L18) 8.1L V8 GMPT VORTEC® - Gas

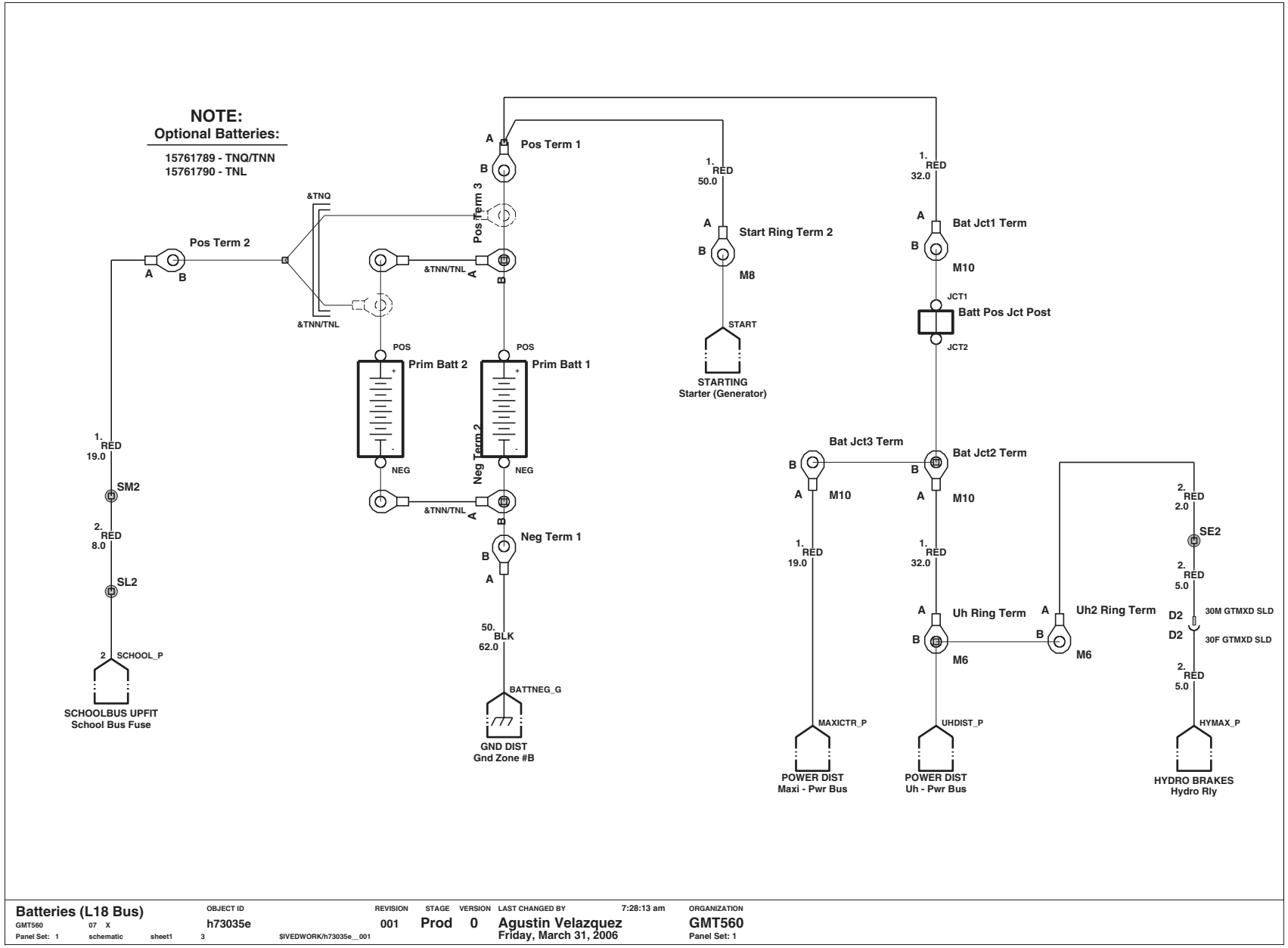
NOTE:
Optional Batteries:

19001810 - TM1
19001814 - TM2

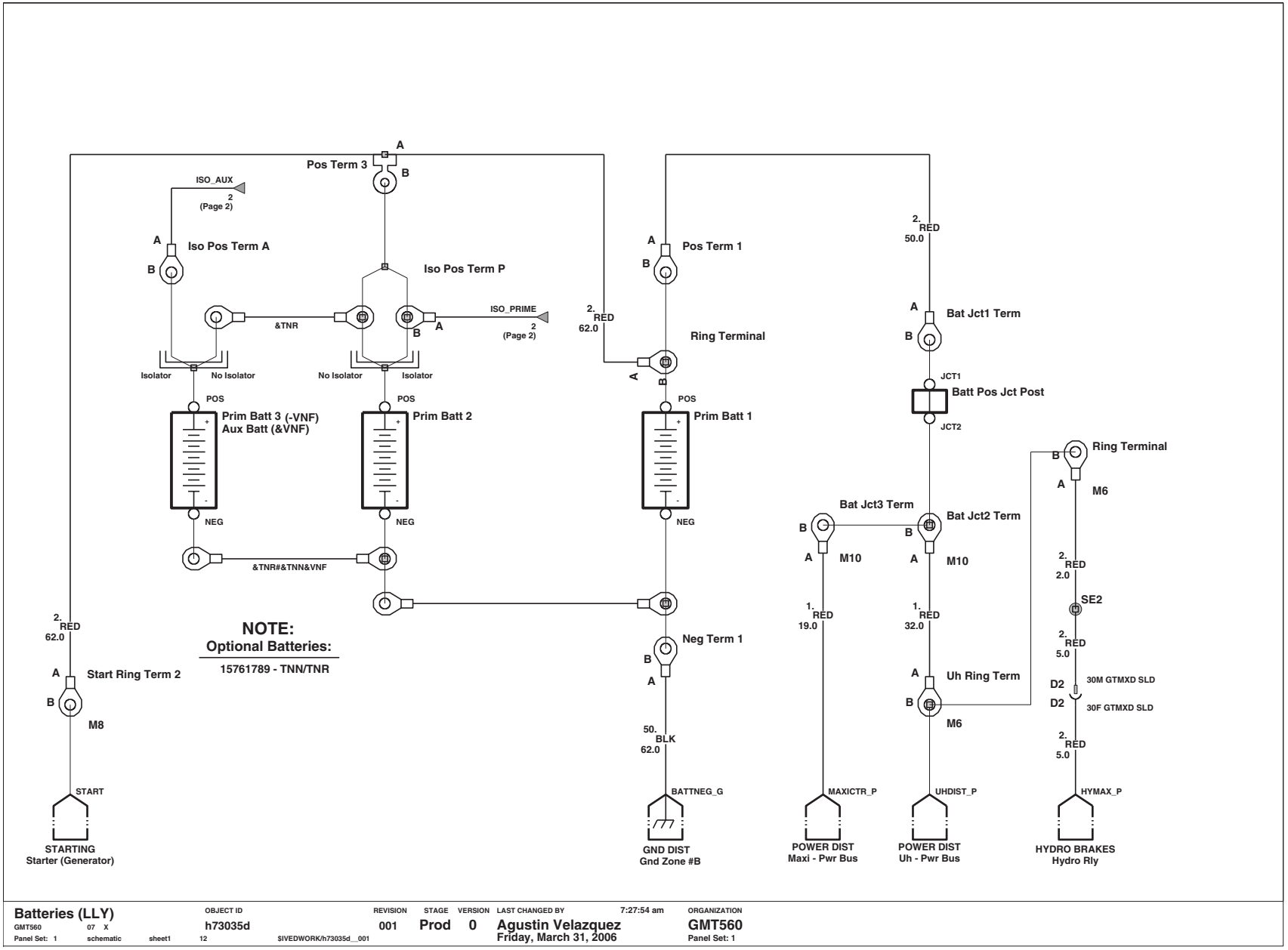


Batteries (L18 Side Post)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73035g	001	Prod	0	Agustin Velazquez	7:29:02 am	GMT560
Panel Set: 1 schematic sheet1 3	$IVEDWORK/h73035g__001				Friday, March 31, 2006		Panel Set: 1

Batteries – Bus (L18) 8.1L V8 GMPT VORTEC® - Gas

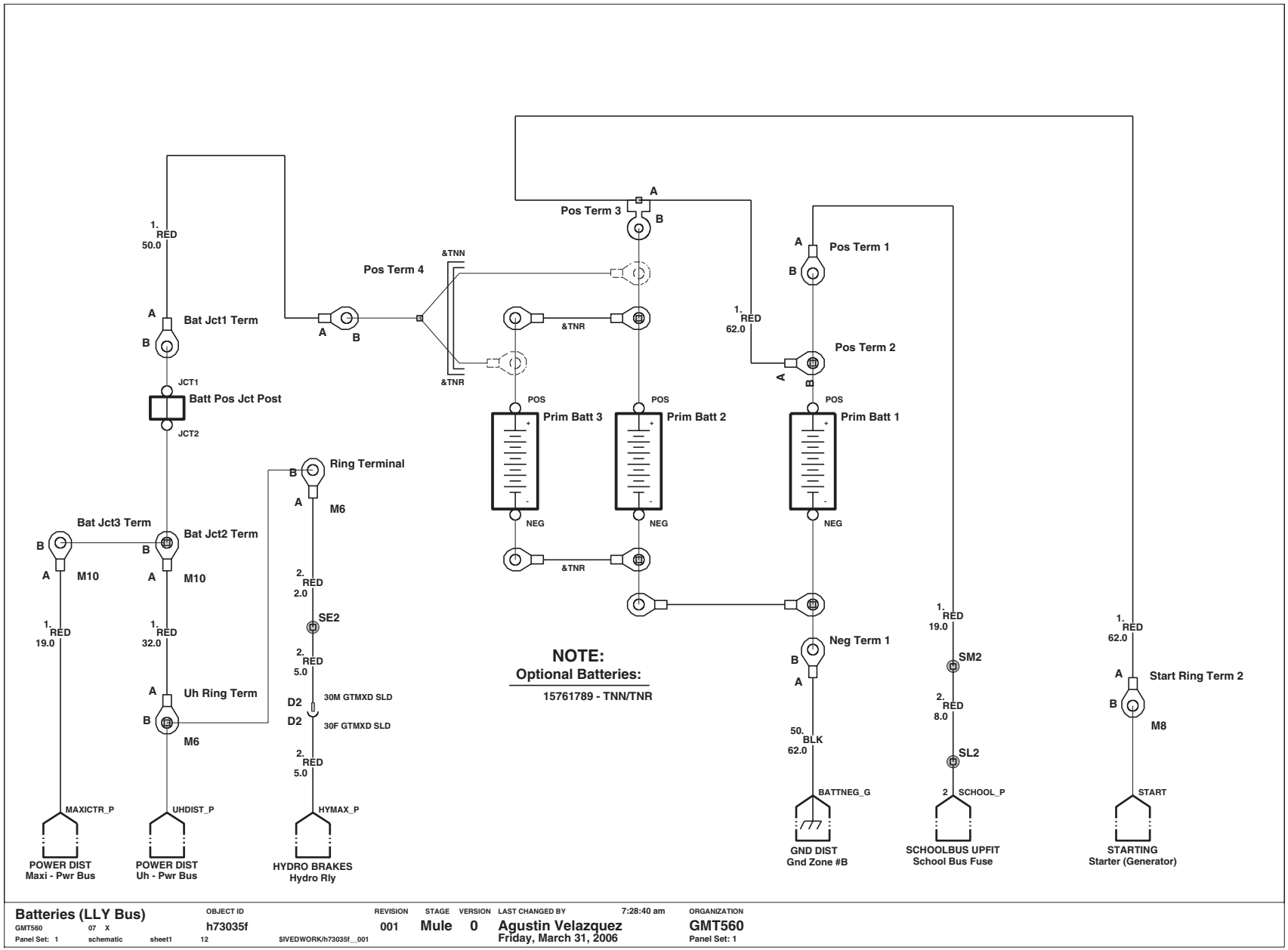


Batteries (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel



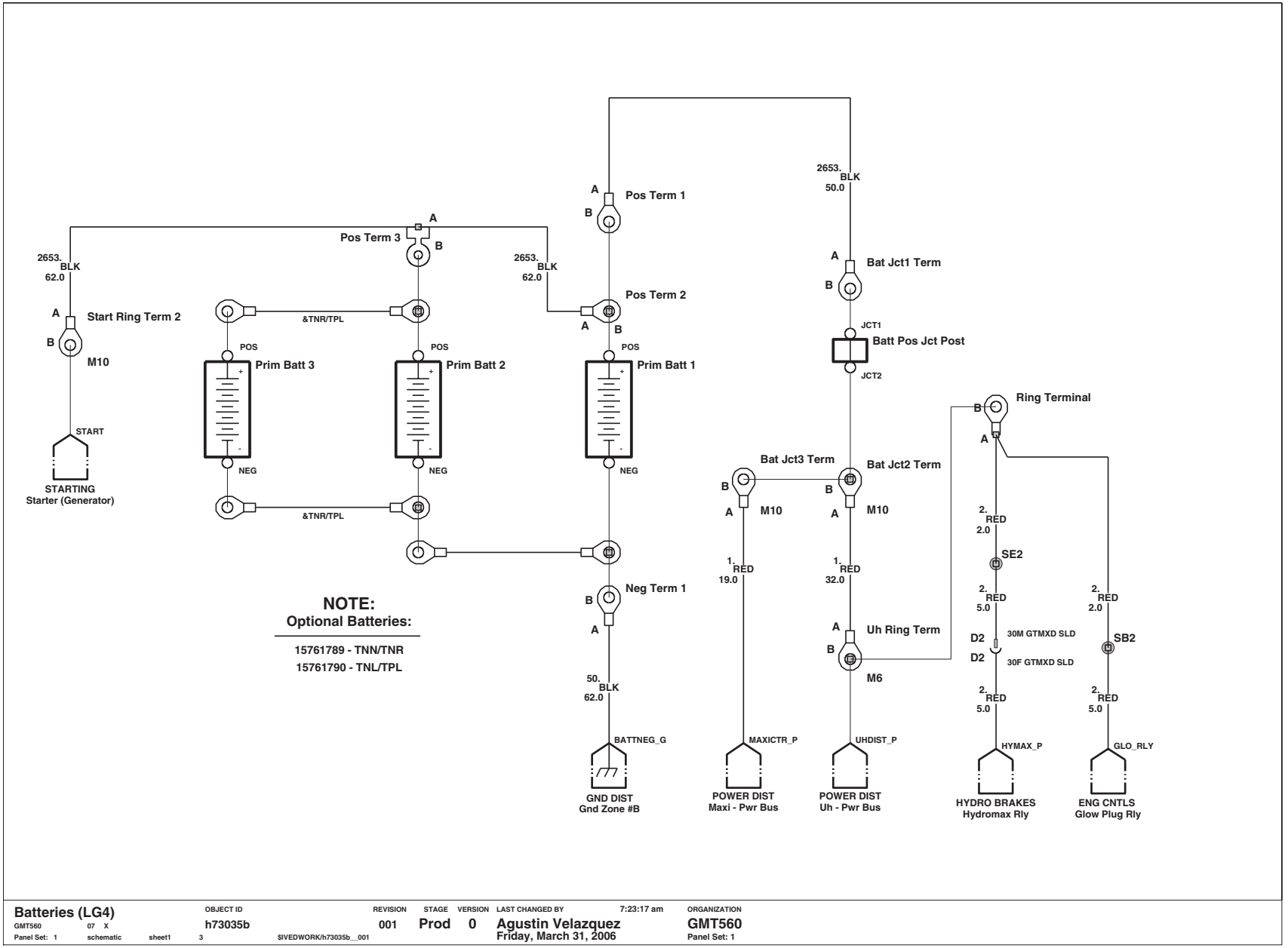
Batteries (LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73035d	001	Prod	0	Agustin Velazquez	7:27:54 am	GMT560
Panel Set: 1 schematic sheet1 12	$IVEDWORK/h73035d__001				Friday, March 31, 2006		Panel Set: 1

Batteries - Bus (LLY) 6.6L V8 Isuzu DURAMAX® - Diesel



Batteries (LLY Bus)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73035f	001	Mule	0	Agustin Velazquez	7:28:40 am	GMT560
Panel Set: 1 schematic sheet1 12	$IVEDWORK/h73035f__001				Friday, March 31, 2006		Panel Set: 1

Batteries (LG4) 7.8L L6 Isuzu 6H - Diesel

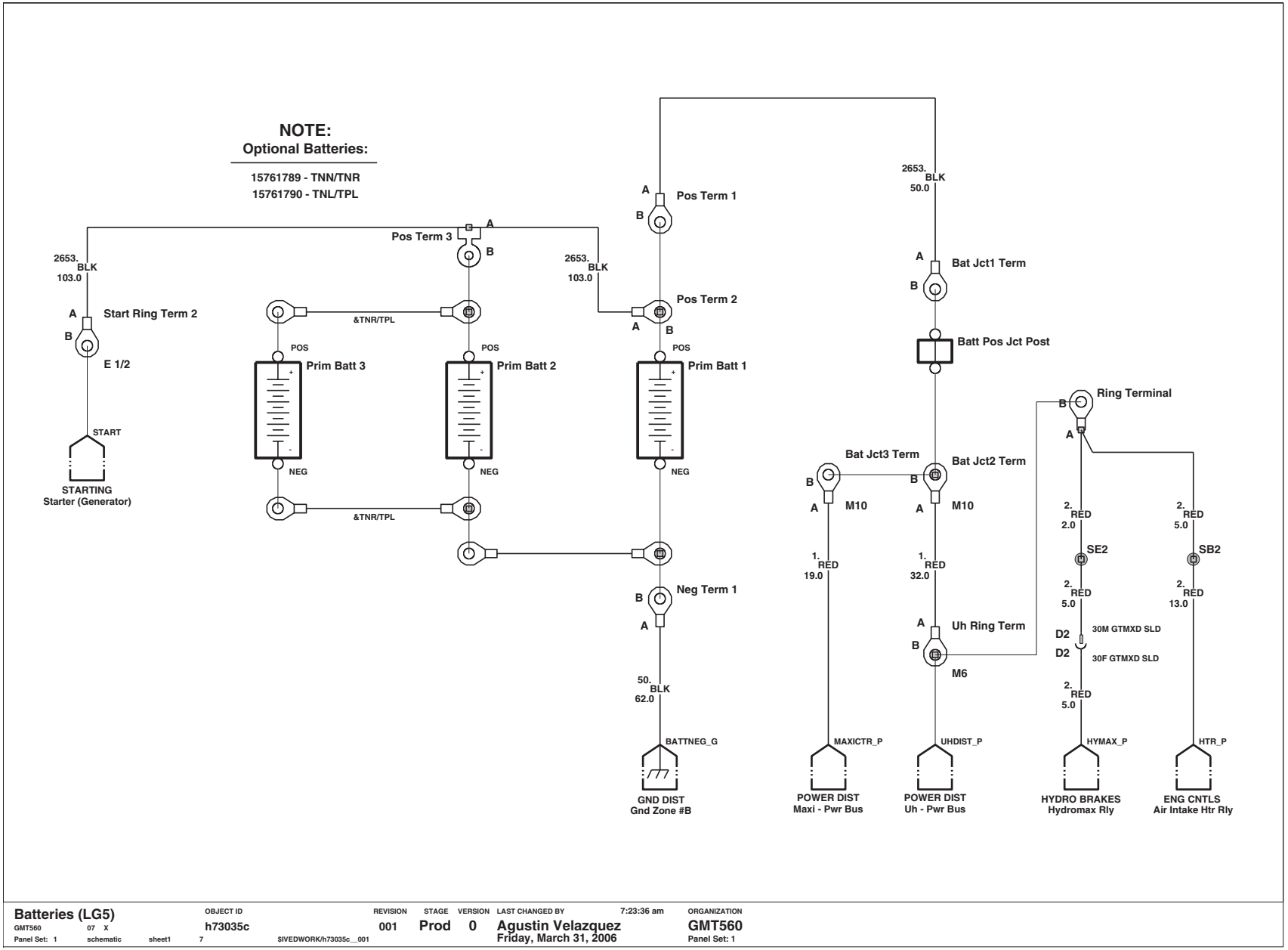


NOTE:
Optional Batteries:

15761789 - TNN/TNR
15761790 - TNL/TPL

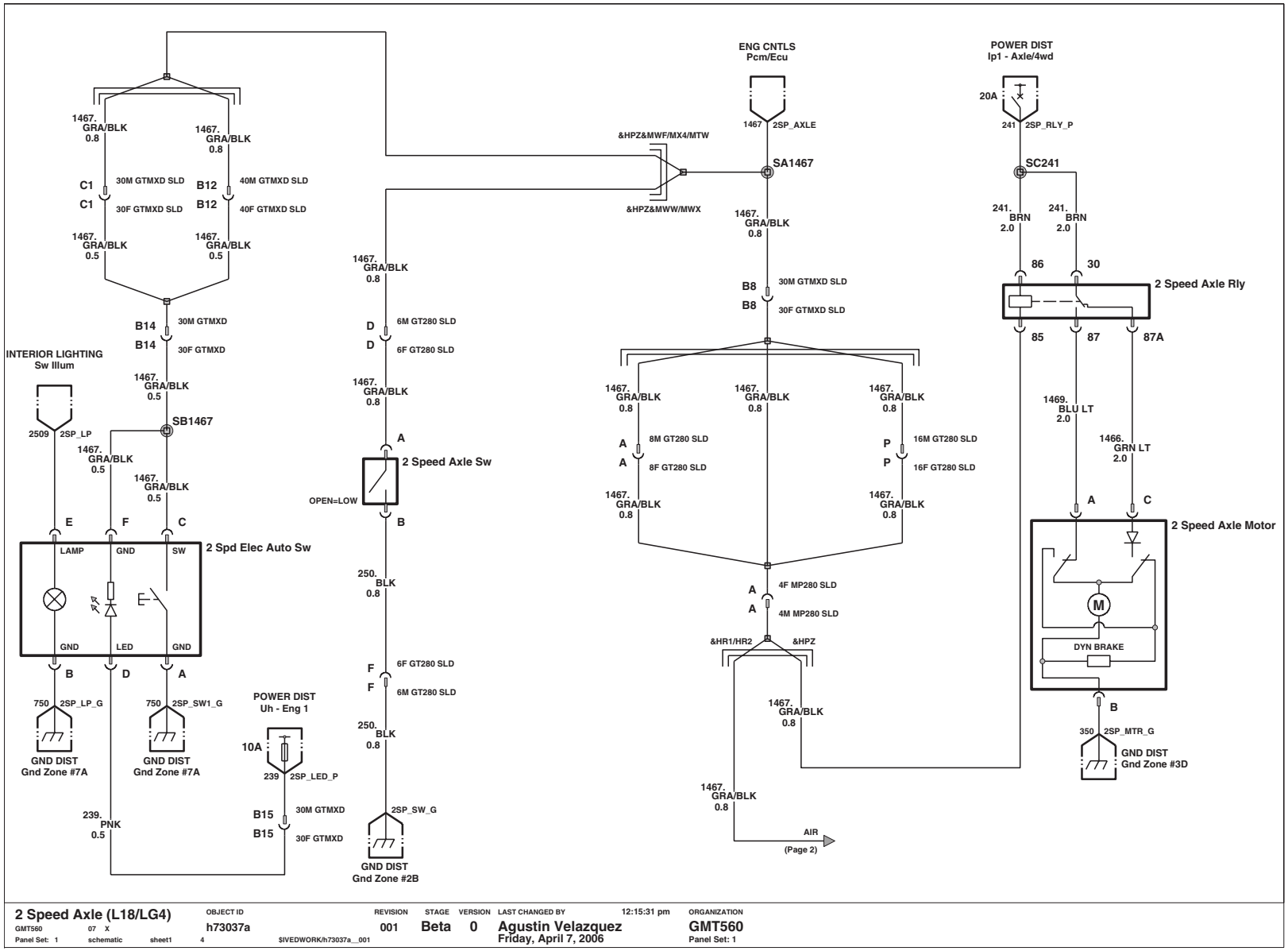
Batteries (LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73035b	001	Prod	0	Agustin Velazquez	7:23:17 am	GMT560
Panel Set: 1 schematic sheet1 3	$IVEDWORK/h73035b__001				Friday, March 31, 2006		Panel Set: 1

Batteries (LG5) 7.2L L6 Caterpillar® C7 - Diesel



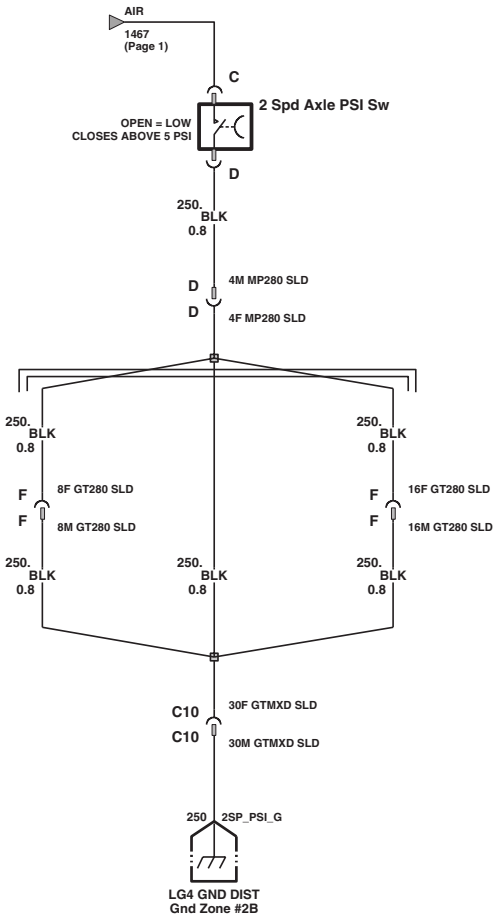
Batteries (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73035c	001	Prod	0	Agustin Velazquez	7:23:36 am	GMT560
Panel Set: 1 schematic sheet1 7	$IVEDWORK/h73035c__001				Friday, March 31, 2006		Panel Set: 1

2-Speed Rear Axle (L18) 8.1L V8 GMPT VORTEC® - Gas – (LG4) 7.8L L6 Isuzu 6H - Diesel



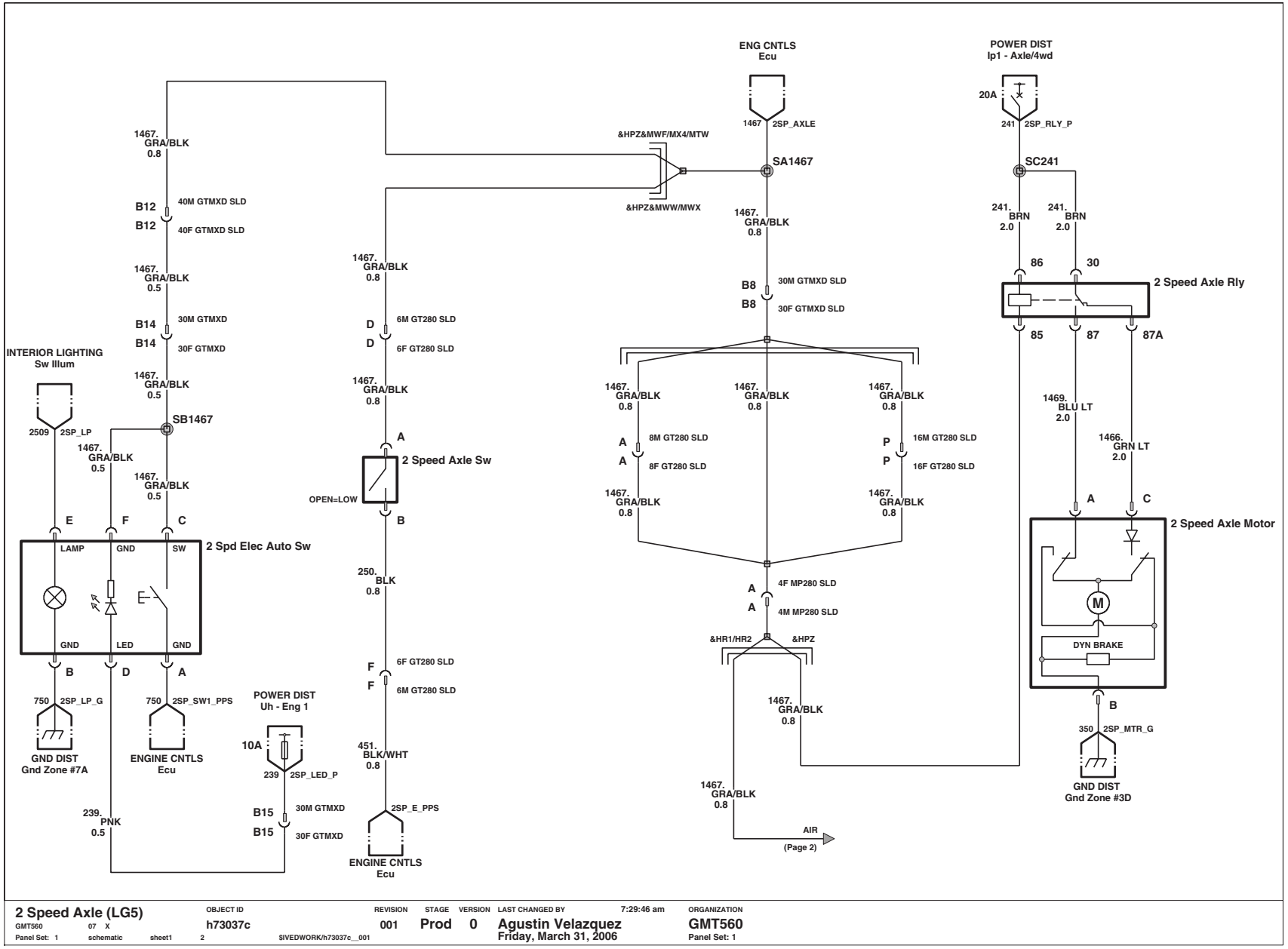
2 Speed Axle (L18/LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:15:31 pm	ORGANIZATION
GMT560 07 X	h73037a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 4 $\VEDWORK\h73037a__001					Friday, April 7, 2006		Panel Set: 1

2-Speed Rear Axle (L18) 8.1L V8 GMPT VORTEC® - Gas – (LG4) 7.8L L6 Isuzu 6H - Diesel (continued)

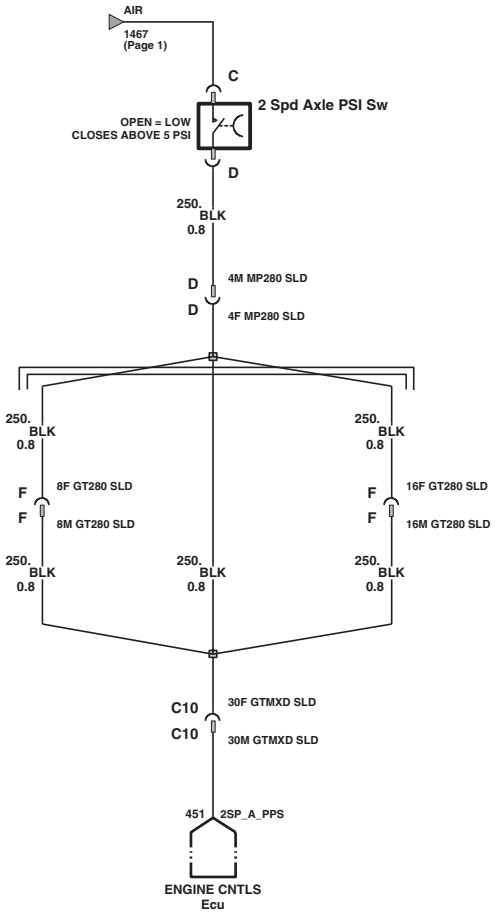


2 Speed Axle (L18/LG4)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	12:15:31 pm	ORGANIZATION
GMT560 07 X	h73037a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 4 $IVEDWORK/h73037a__001					Friday, April 7, 2006		Panel Set: 2

2-Speed Axle (LG5) 7.2L L6 Caterpillar® C7 - Diesel

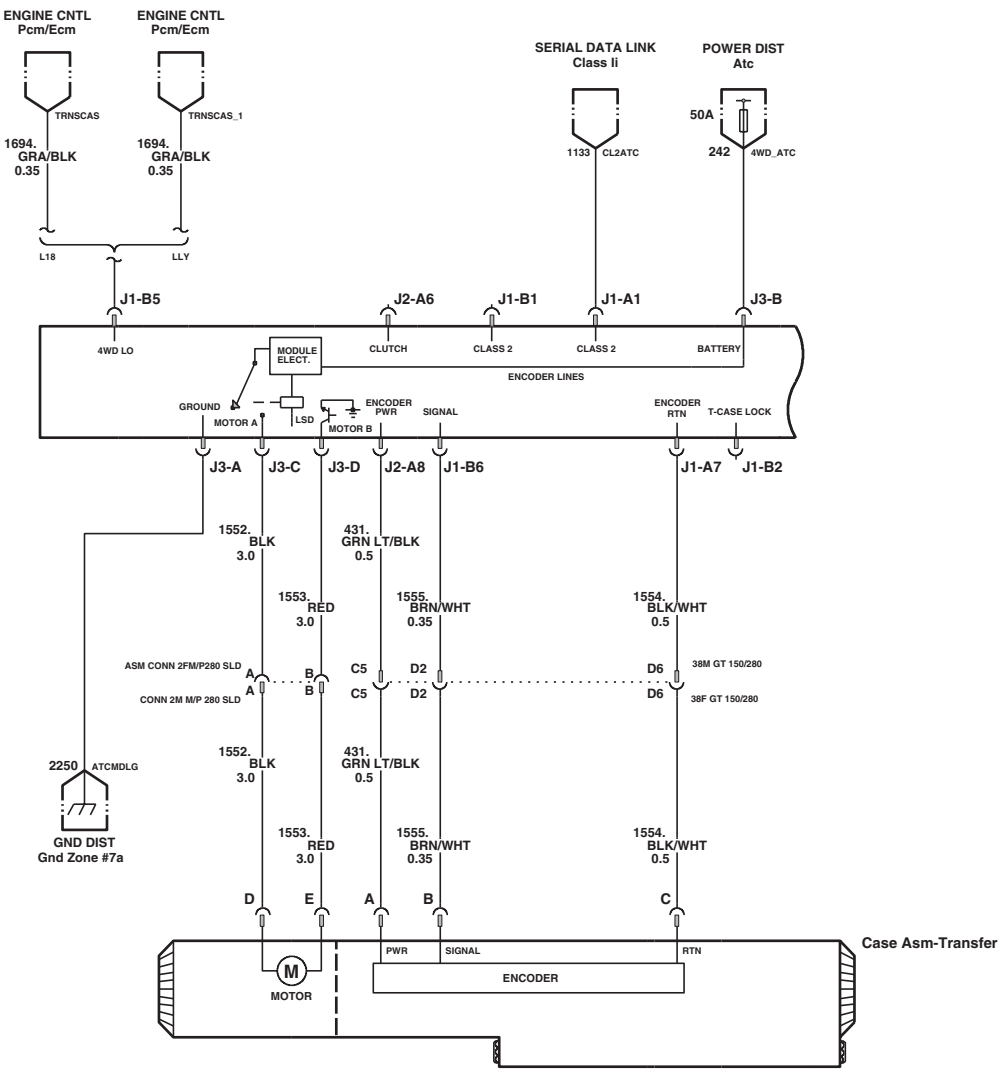


2-Speed Axle (LG5) 7.2L L6 Caterpillar® C7 - Diesel



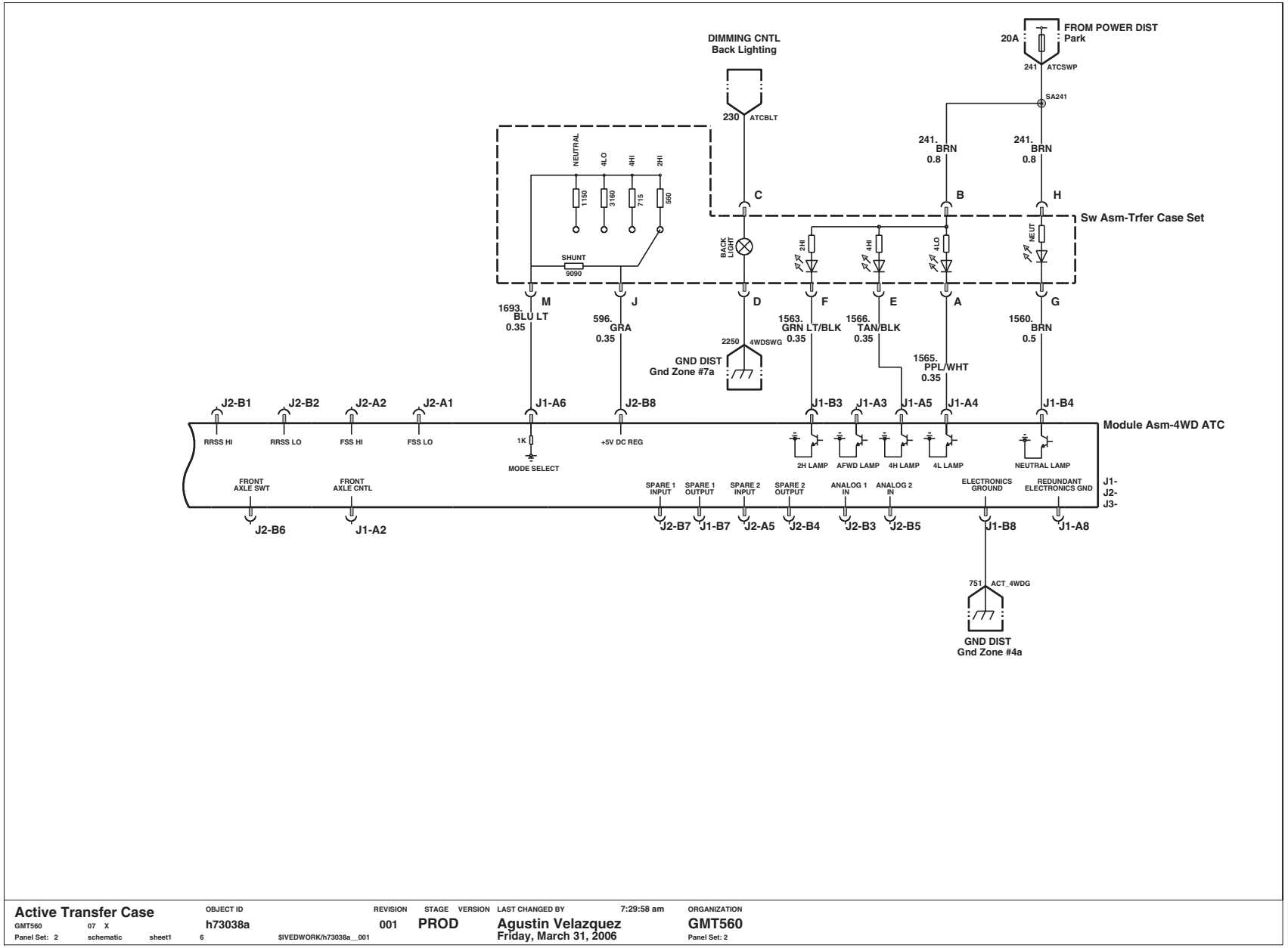
2 Speed Axle (LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73037c	001	Prod	0	Agustin Velazquez	7:29:46 am	GMT560
Panel Set: 2 schematic sheet1 2	$IVEDWORK/h73037c__001				Friday, March 31, 2006		Panel Set: 2

Active Transfer Case



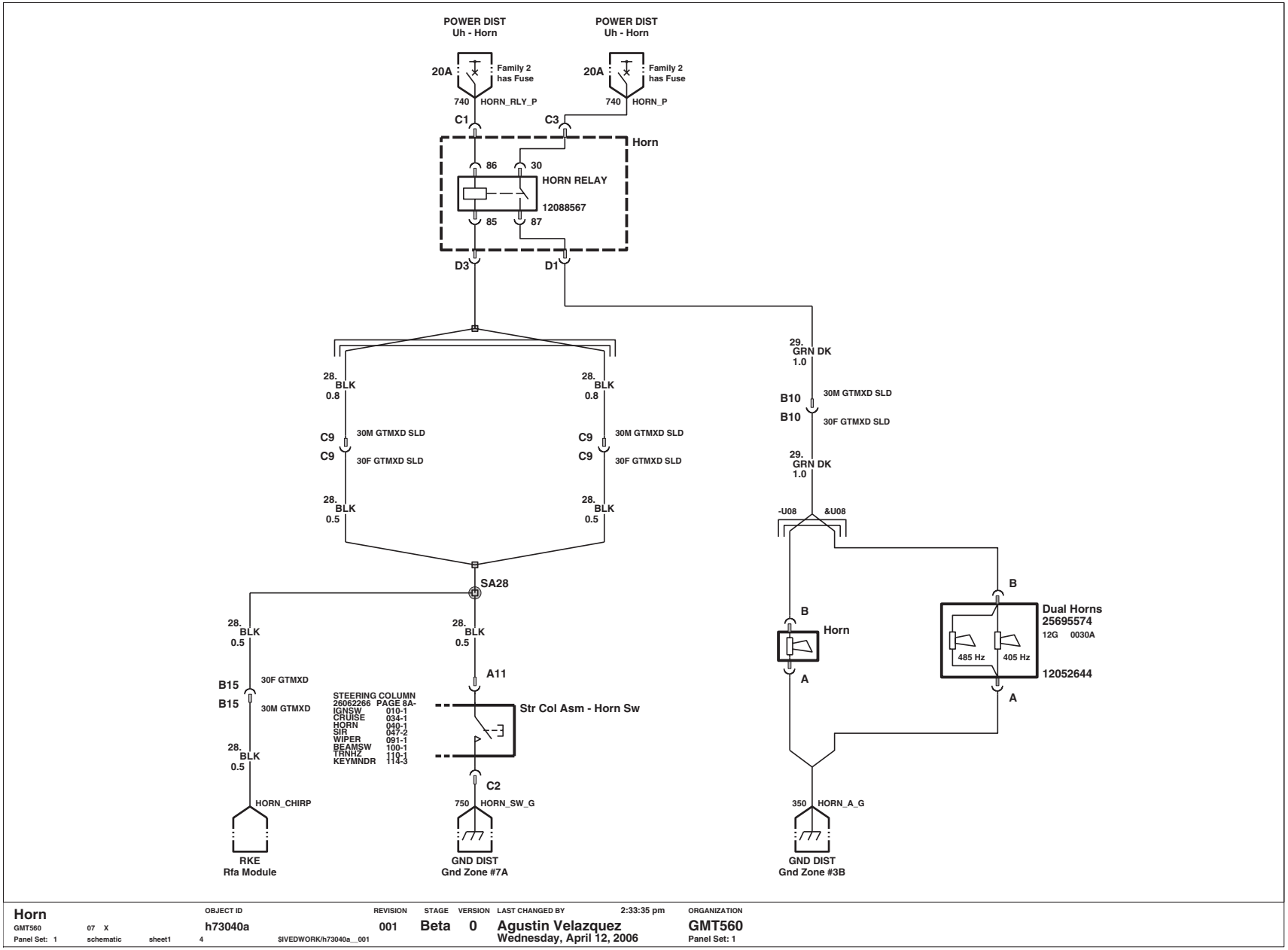
Active Transfer Case	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73038a	001	PROD		Agustin Velazquez	7:29:58 am	GMT560
Panel Set: 1 schematic sheet1 6	$IVEDWORK/h73038a__001				Friday, March 31, 2006		Panel Set: 1

Active Transfer Case (continued)



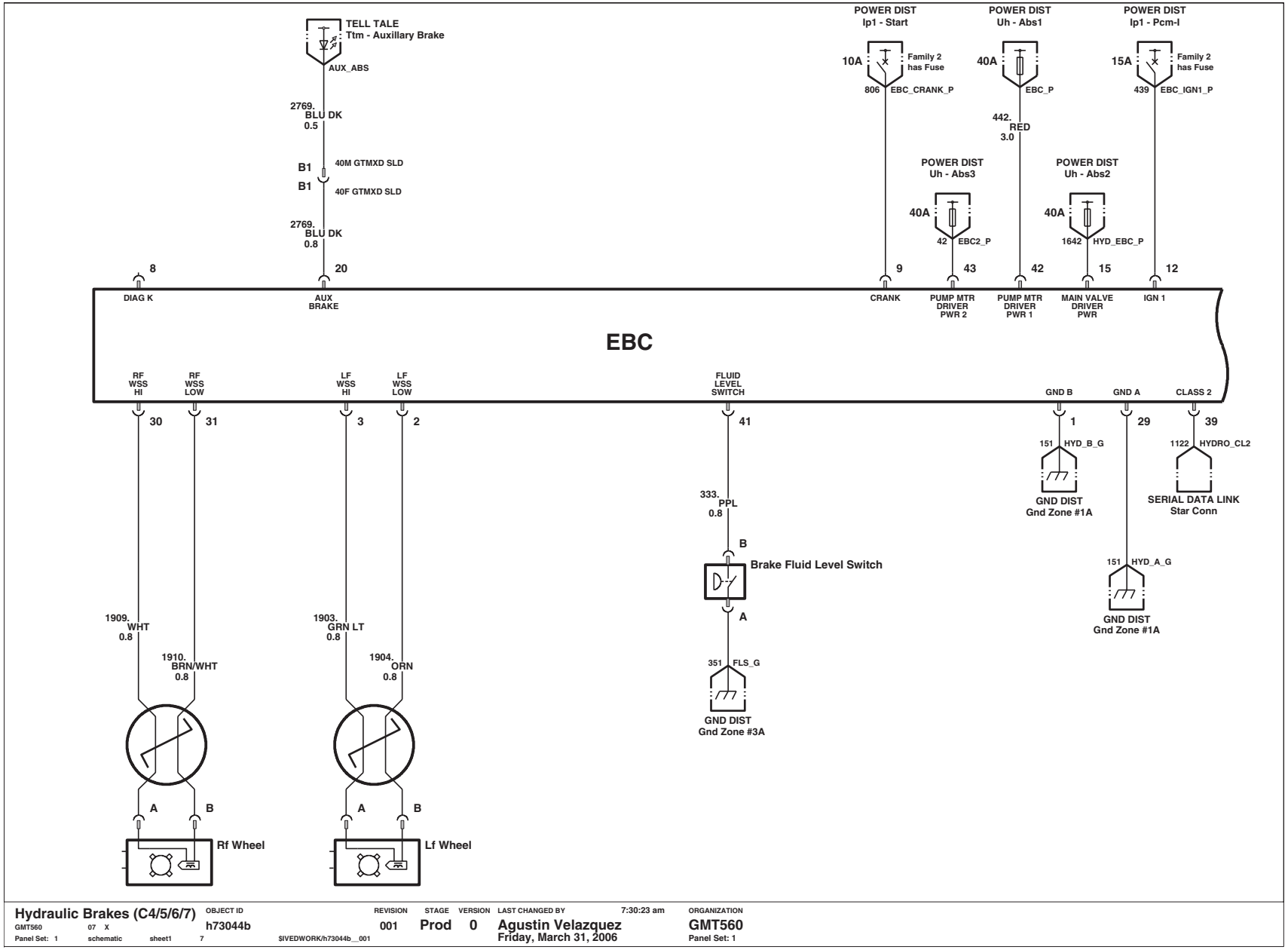
Active Transfer Case	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:29:58 am	ORGANIZATION
GMT560 07 X	h73038a	001	PROD		Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 6 $IVEDWORK/h73038a__001					Friday, March 31, 2006		Panel Set: 2

Horn



Horn	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73040a	001	Beta	0	Agustin Velazquez	2:33:35 pm	GMT560
Panel Set: 1 schematic sheet1 4	\IVEDWORK/h73040a__001				Wednesday, April 12, 2006		Panel Set: 1

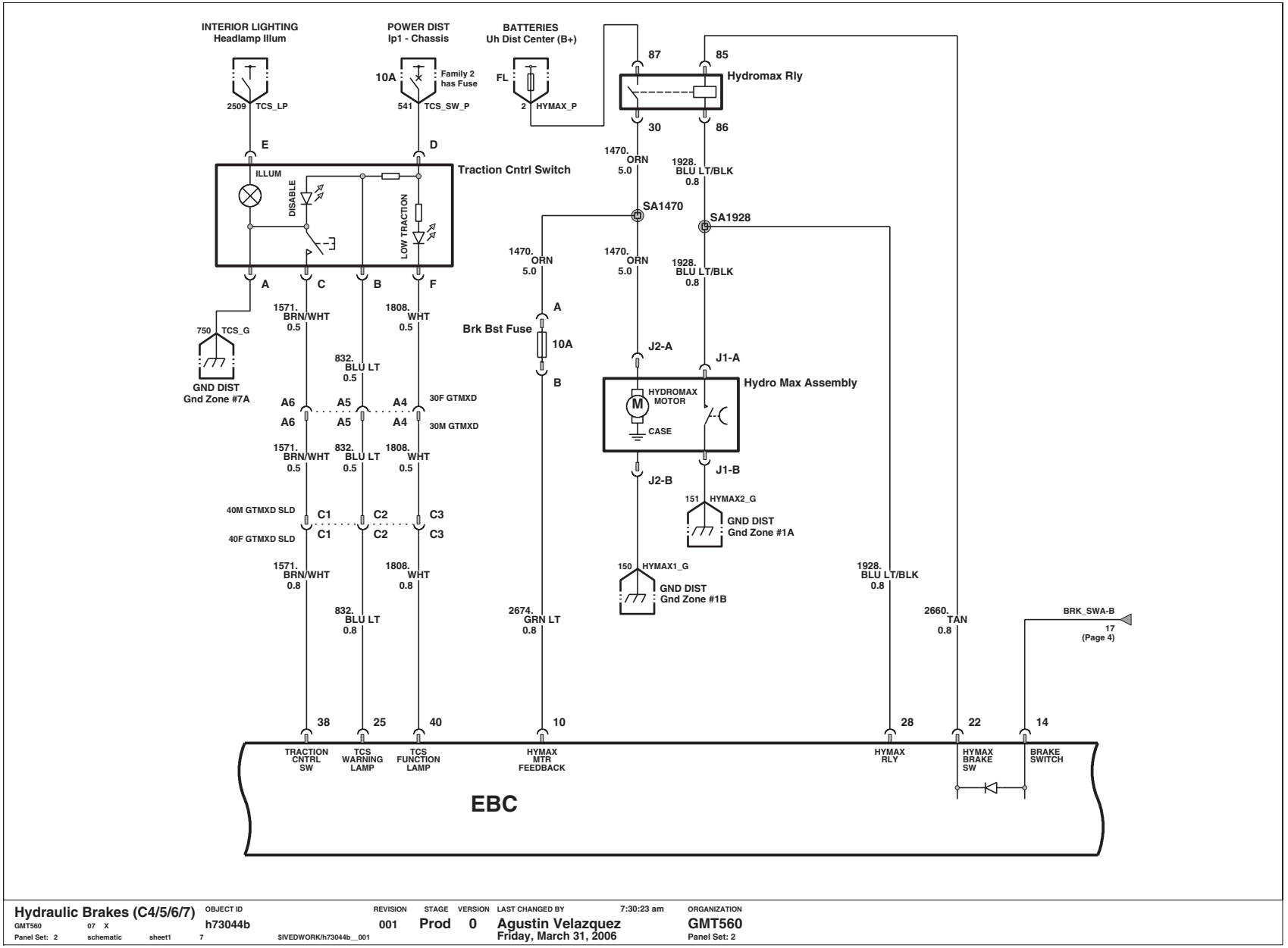
Brakes - Hydraulic (C4500-C7500)



Hydraulic Brakes (C4/5/6/7) OBJECT ID h73044b REVISION 001 STAGE Prod VERSION 0 LAST CHANGED BY Agustin Velazquez 7:30:23 am Friday, March 31, 2006 ORGANIZATION GMT560

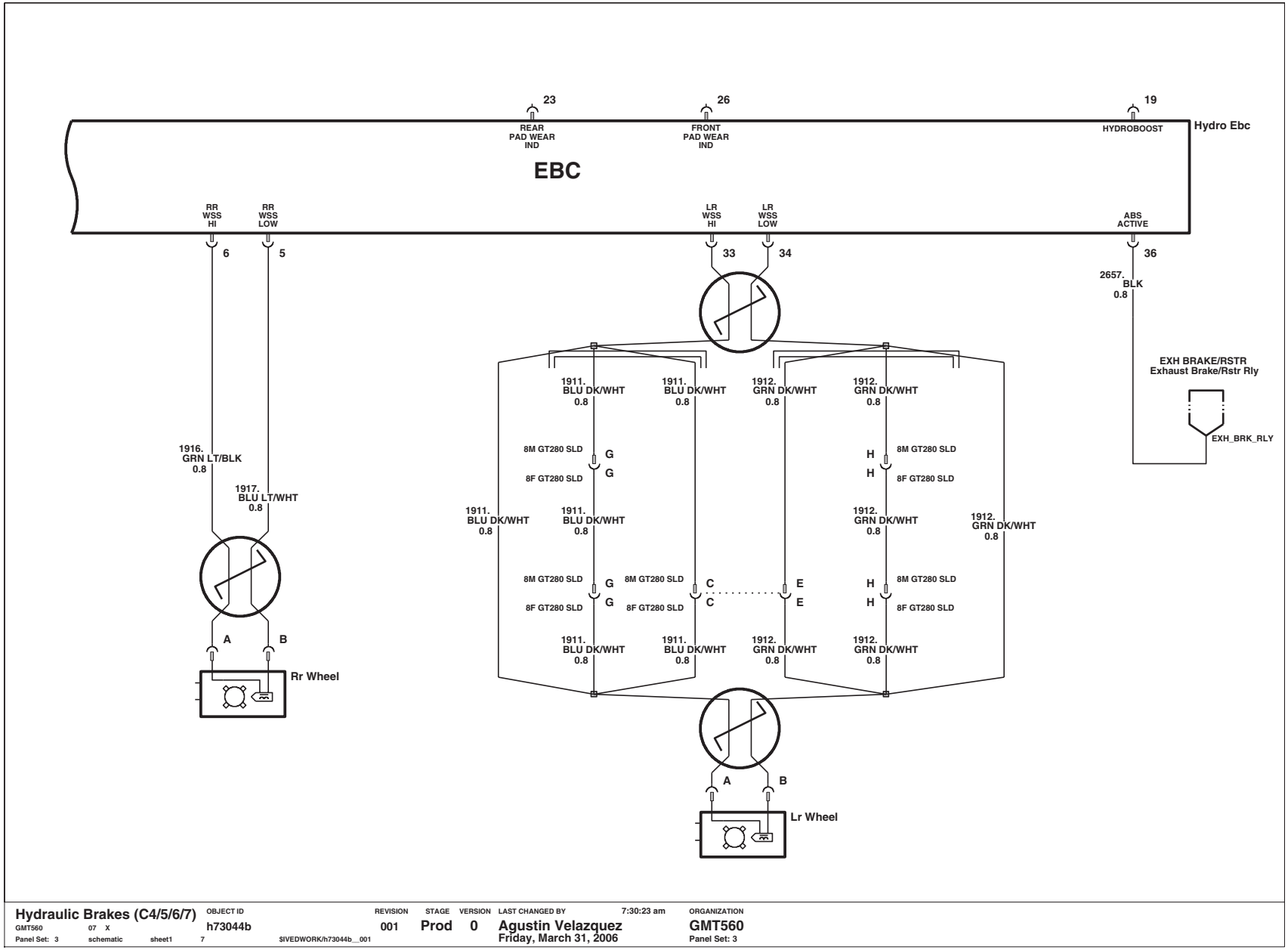
GMT560 07 X Panel Set: 1 schematic sheet1 7 $IVEDWORK/h73044b__001 Panel Set: 1

Brakes - Hydraulic (C4500-C7500) (continued)



Hydraulic Brakes (C4/5/6/7) OBJECT ID h73044b REVISION 001 STAGE Prod VERSION 0 LAST CHANGED BY Agustin Velazquez 7:30:23 am ORGANIZATION GMT560
GMT560 07 X Friday, March 31, 2006 Panel Set: 2
Panel Set: 2 schematic sheet1 7 $IVEDWORK/h73044b__001

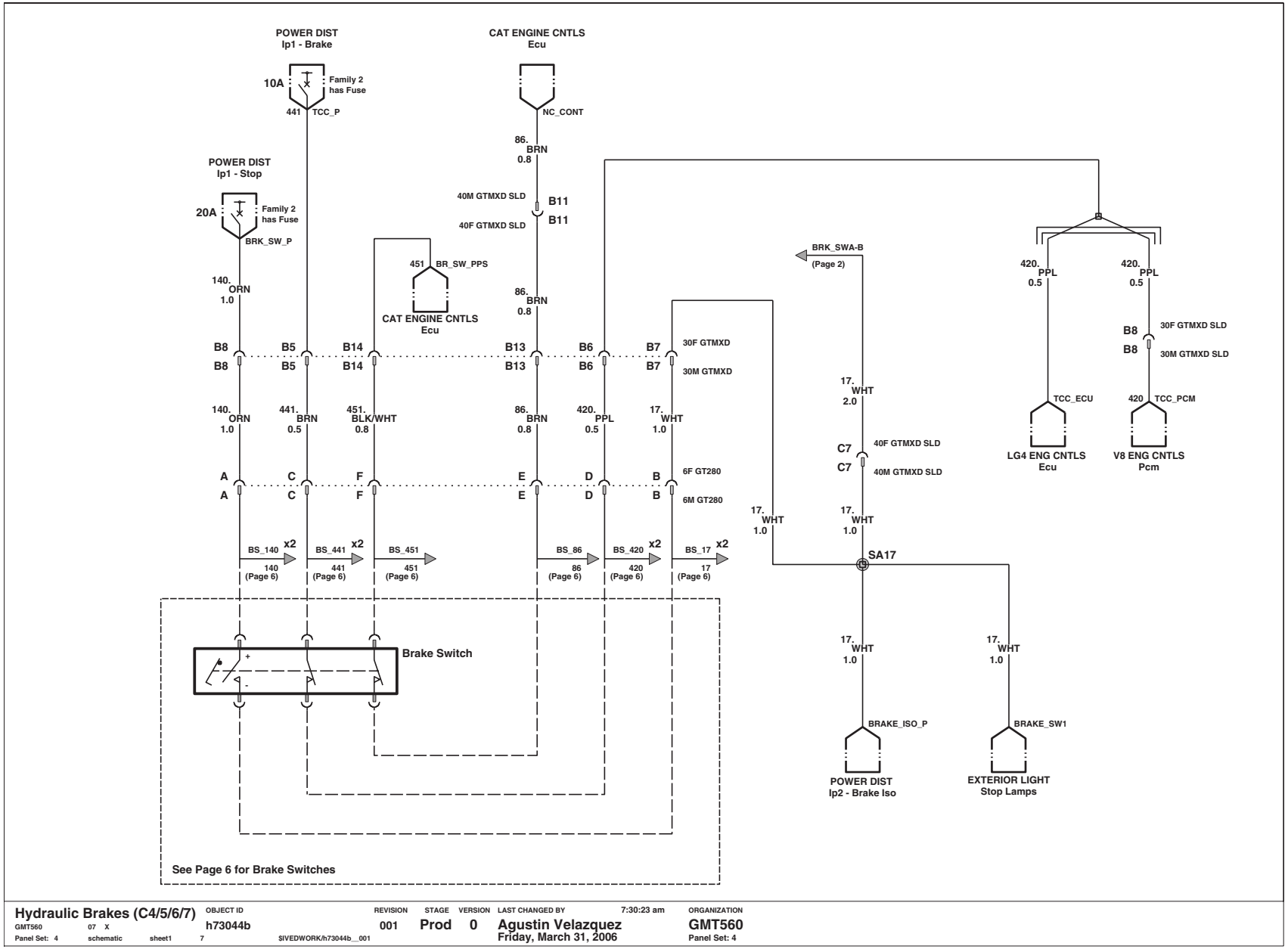
Brakes - Hydraulic (C4500-C7500) (continued)



Hydraulic Brakes (C4/5/6/7) OBJECT ID h73044b REVISION 001 STAGE Prod VERSION 0 LAST CHANGED BY Agustin Velazquez 7:30:23 am Friday, March 31, 2006 ORGANIZATION GMT560

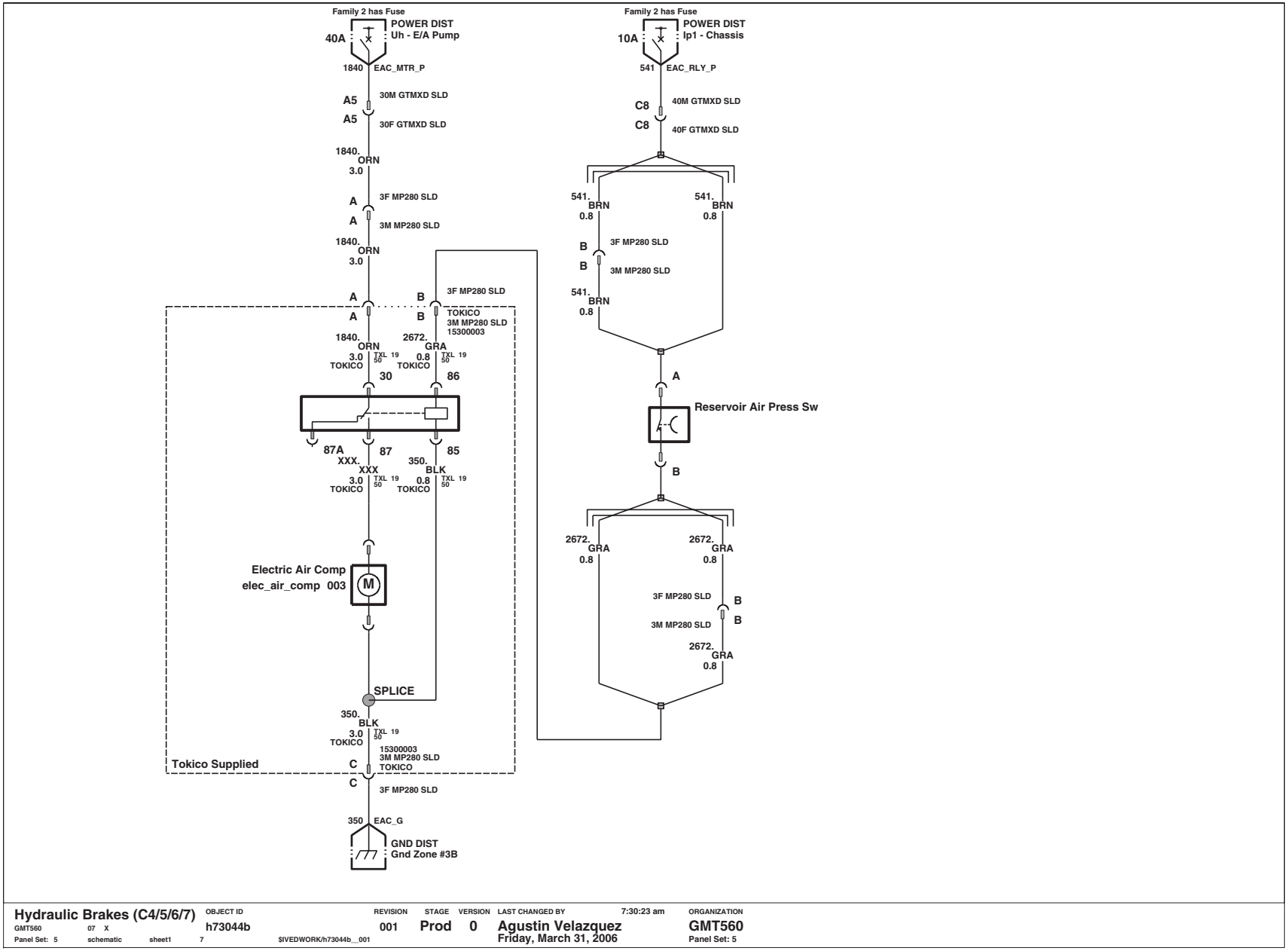
GMT560 07 X Panel Set: 3 schematic sheet1 7 $IVEDWORK/h73044b__001 Panel Set: 3

Brakes - Hydraulic (C4500-C7500) (continued)



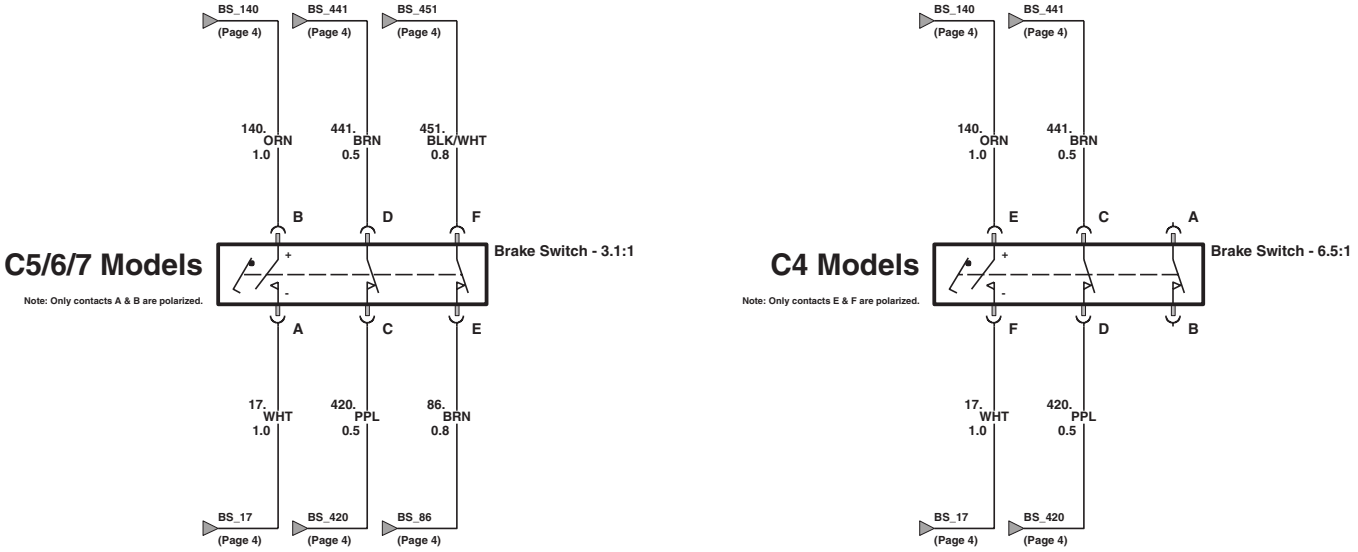
Hydraulic Brakes (C4/5/6/7) OBJECT ID h73044b REVISION 001 STAGE Prod VERSION 0 LAST CHANGED BY Agustin Velazquez 7:30:23 am Friday, March 31, 2006 ORGANIZATION GMT560
GMT560 07 X Panel Set: 4 schematic sheet1 7 $IVEDWORK/h73044b__001 Panel Set: 4

Brakes - Hydraulic (C4500-C7500) (continued)



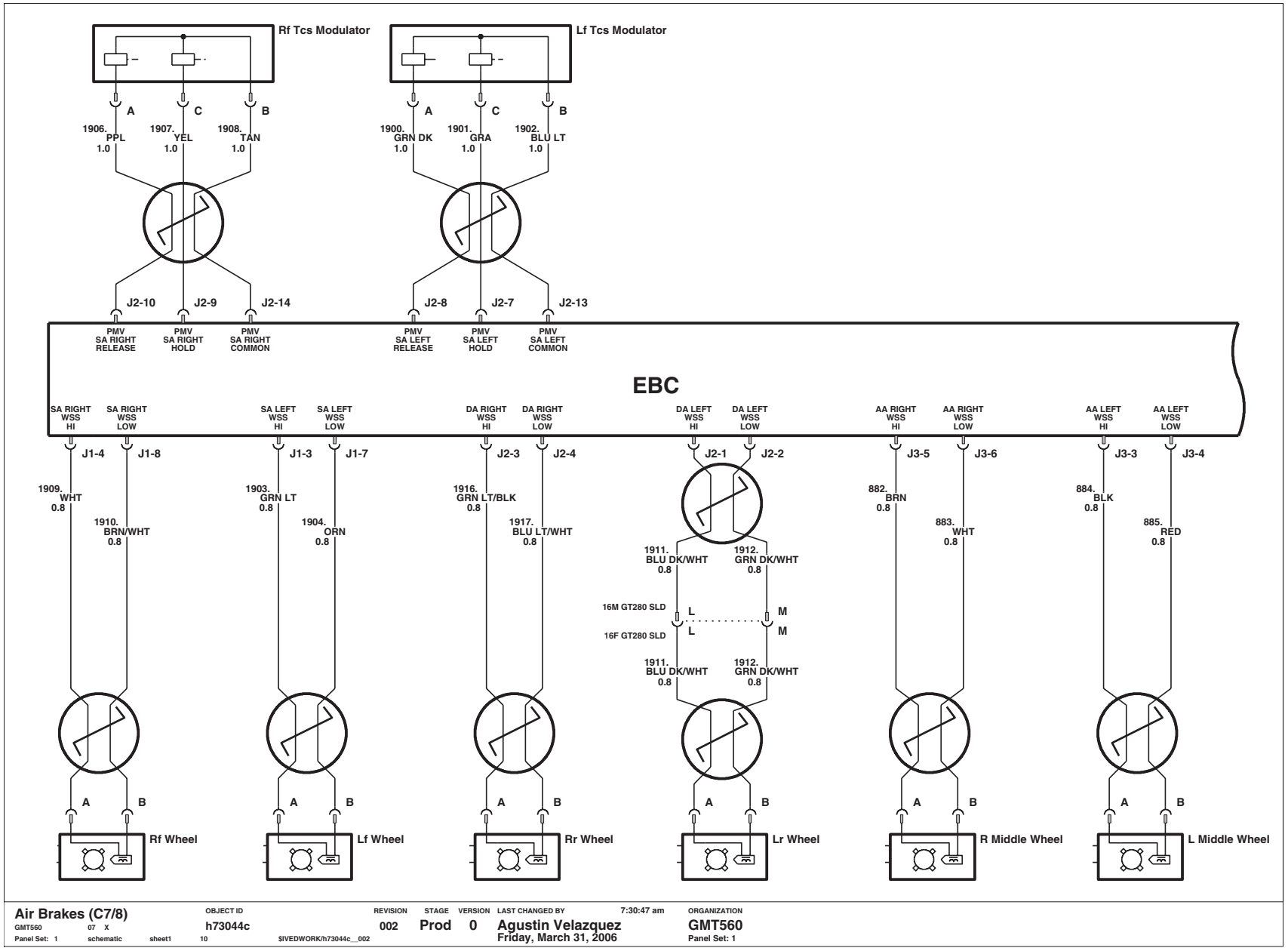
Hydraulic Brakes (C4/5/6/7)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:30:23 am	ORGANIZATION
GMT560 07 X	h73044b	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 5 schematic sheet1 7	$IVEDWORK/h73044b__001				Friday, March 31, 2006		Panel Set: 5

Brakes - Hydraulic (C4500-C7500) (continued)



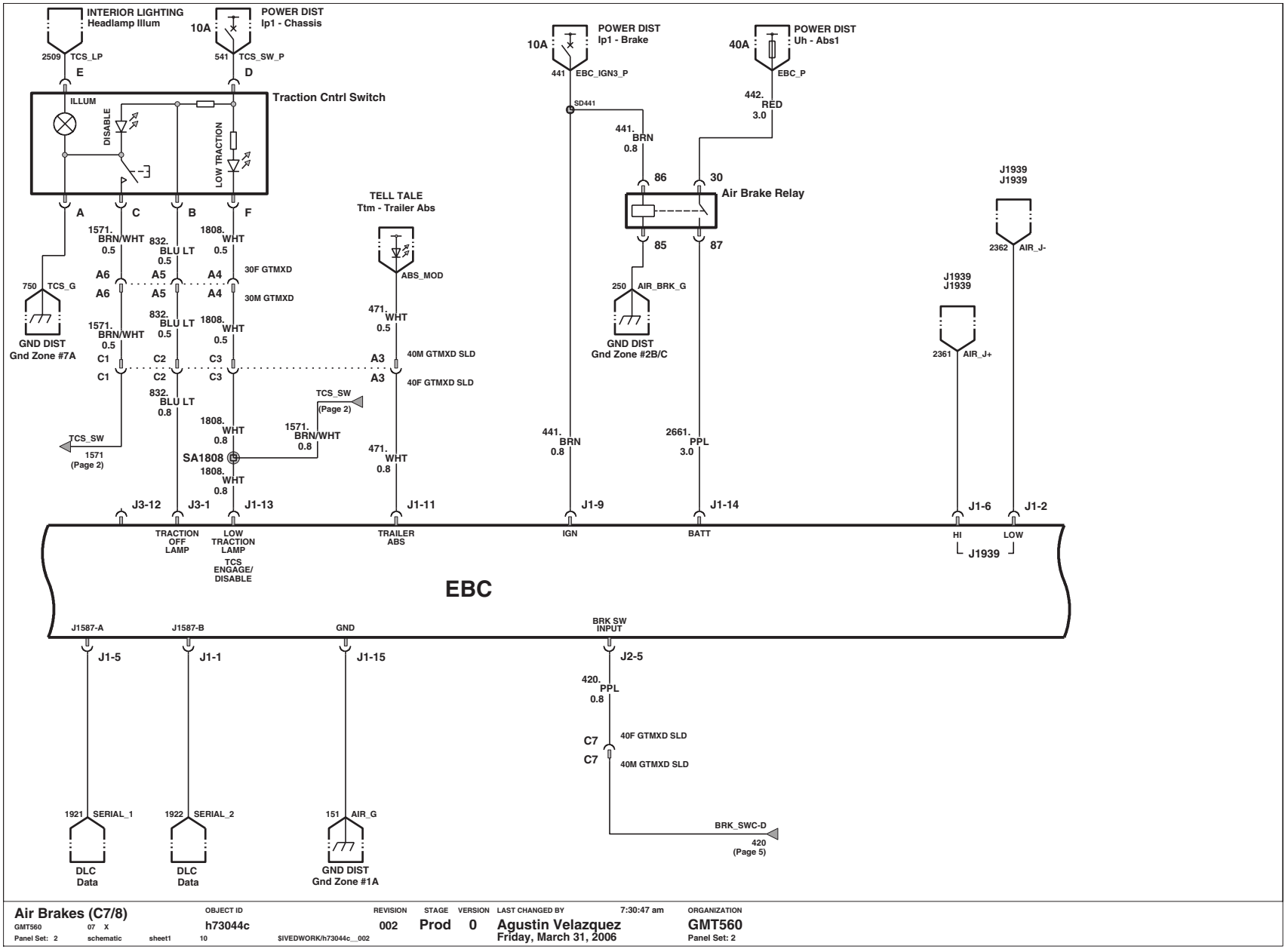
Hydraulic Brakes (C4/5/6/7)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:30:23 am	ORGANIZATION
GMT560 07 X	h73044b	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 6 schematic sheet1 7	$IVEDWORK/h73044b__001				Friday, March 31, 2006		Panel Set: 6

Brakes - Air (C7500-C8500)

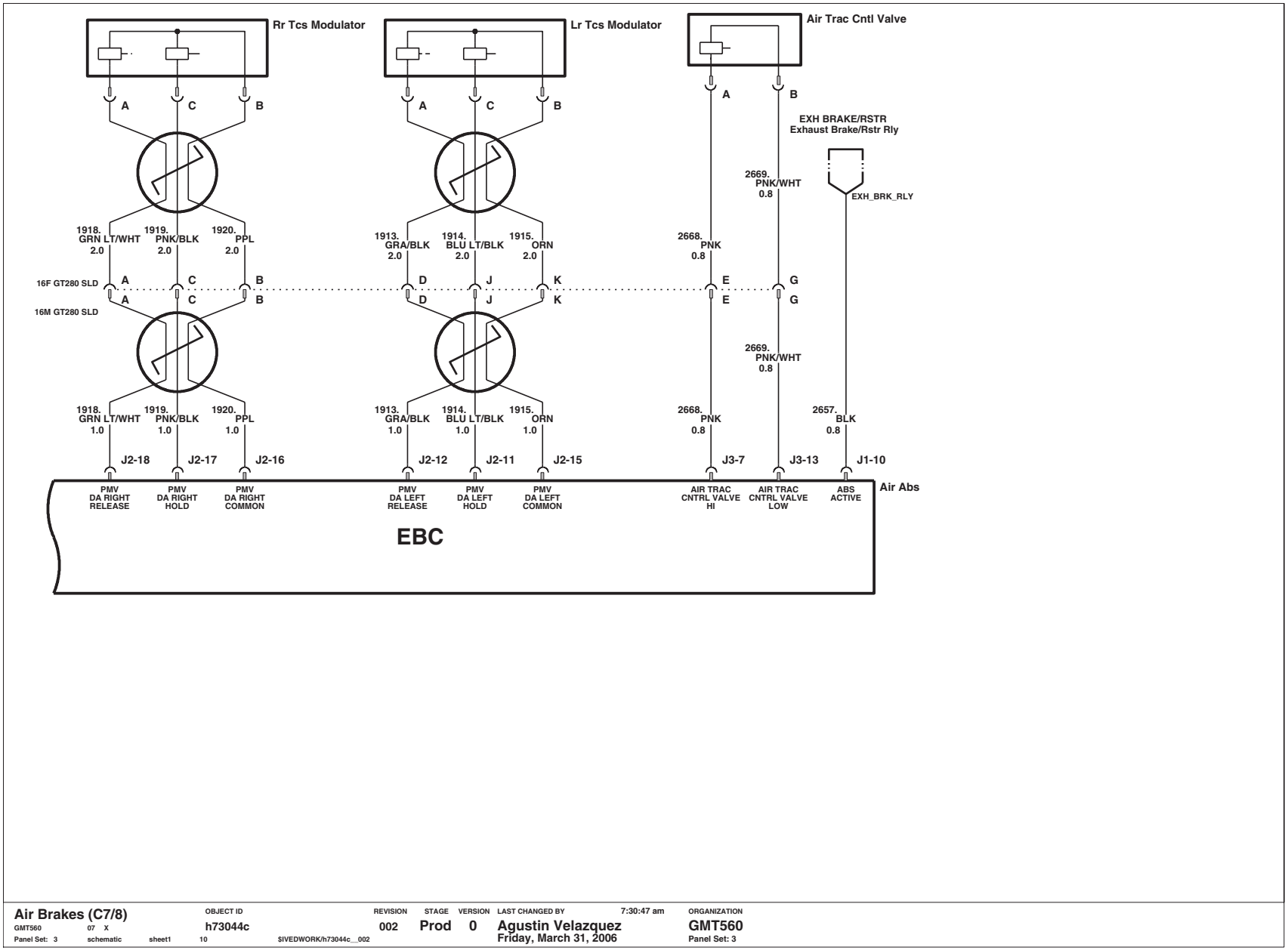


Air Brakes (C7/8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73044c	002	Prod	0	Agustin Velazquez	7:30:47 am	GMT560
Panel Set: 1 schematic sheet1 10	$IVEDWORK/h73044c__002				Friday, March 31, 2006		Panel Set: 1

Brakes - Air (C7500-C8500) (continued)

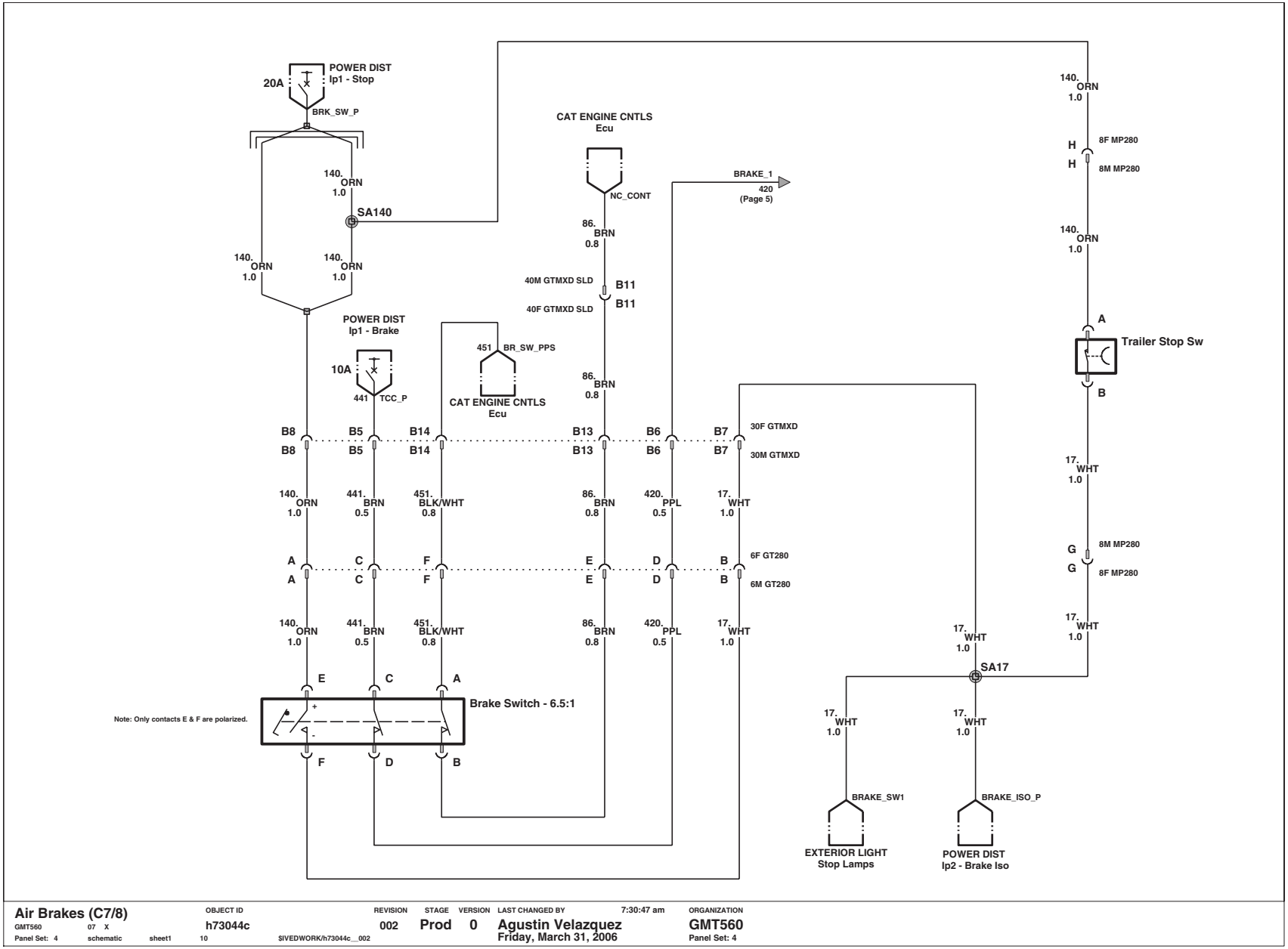


Brakes - Air (C7500-C8500) (continued)



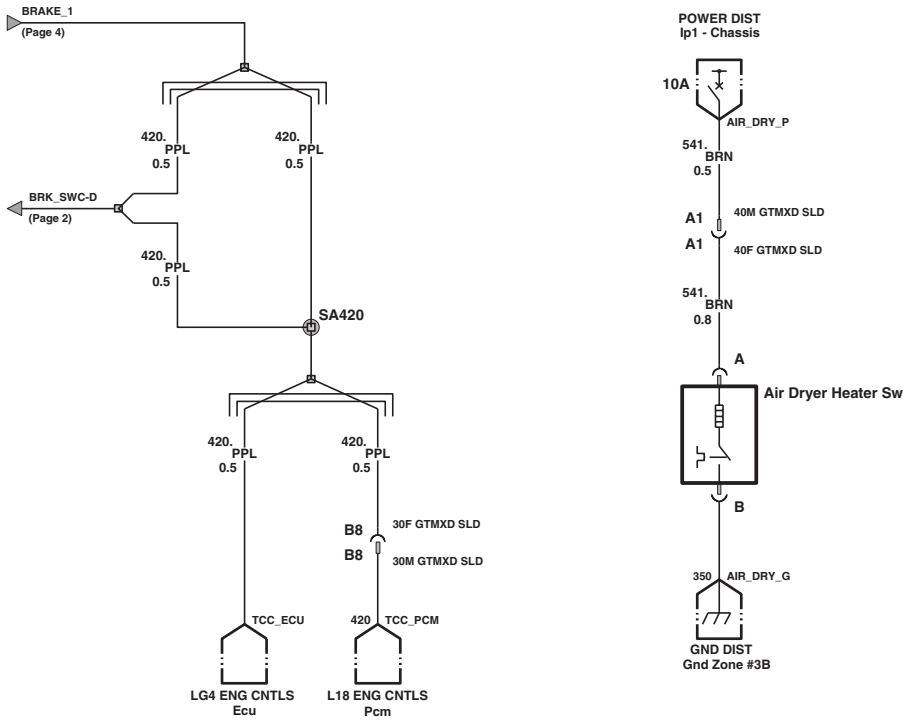
Air Brakes (C7/8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73044c	002	Prod	0	Agustin Velazquez	7:30:47 am	GMT560
Panel Set: 3 schematic sheet1 10	$IVEDWORK/h73044c__002				Friday, March 31, 2006		Panel Set: 3

Brakes - Air (C7500-C8500) (continued)



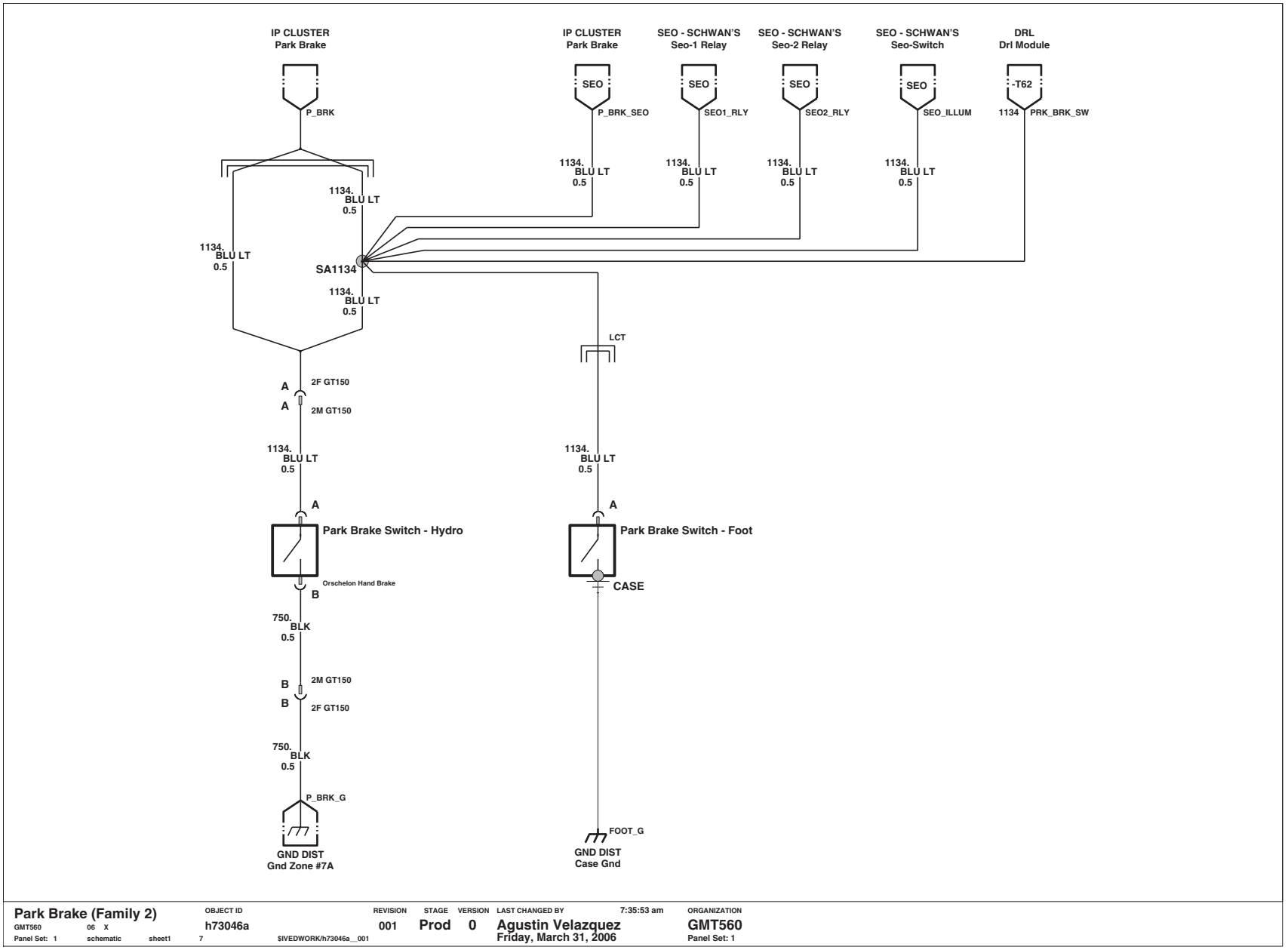
Air Brakes (C7/8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73044c	002	Prod	0	Agustin Velazquez	7:30:47 am	GMT560
Panel Set: 4 schematic sheet1 10	$IVEDWORK/h73044c__002				Friday, March 31, 2006		Panel Set: 4

Brakes - Air (C7500-C8500) (continued)



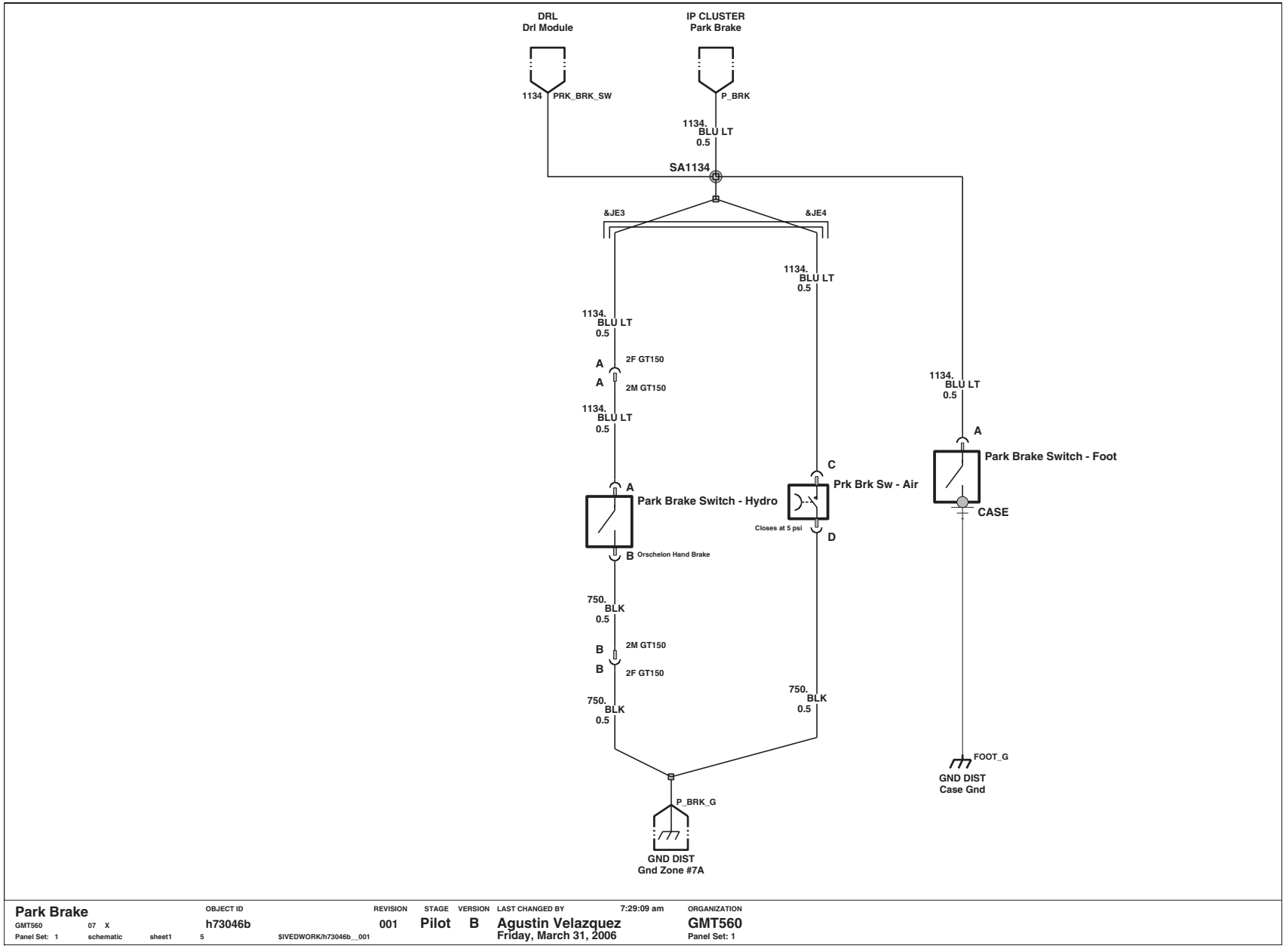
Air Brakes (C7/8)		OBJECT ID		REVISION	STAGE	VERSION	LAST CHANGED BY	7:30:47 am	ORGANIZATION
GMT560	07 X	h73044c		002	Prod	0	Agustin Velazquez		GMT560
Panel Set: 5	schematic sheet1	10	$IVEDWORK/h73044c__002				Friday, March 31, 2006		Panel Set: 5

Park Brake (Family 2)

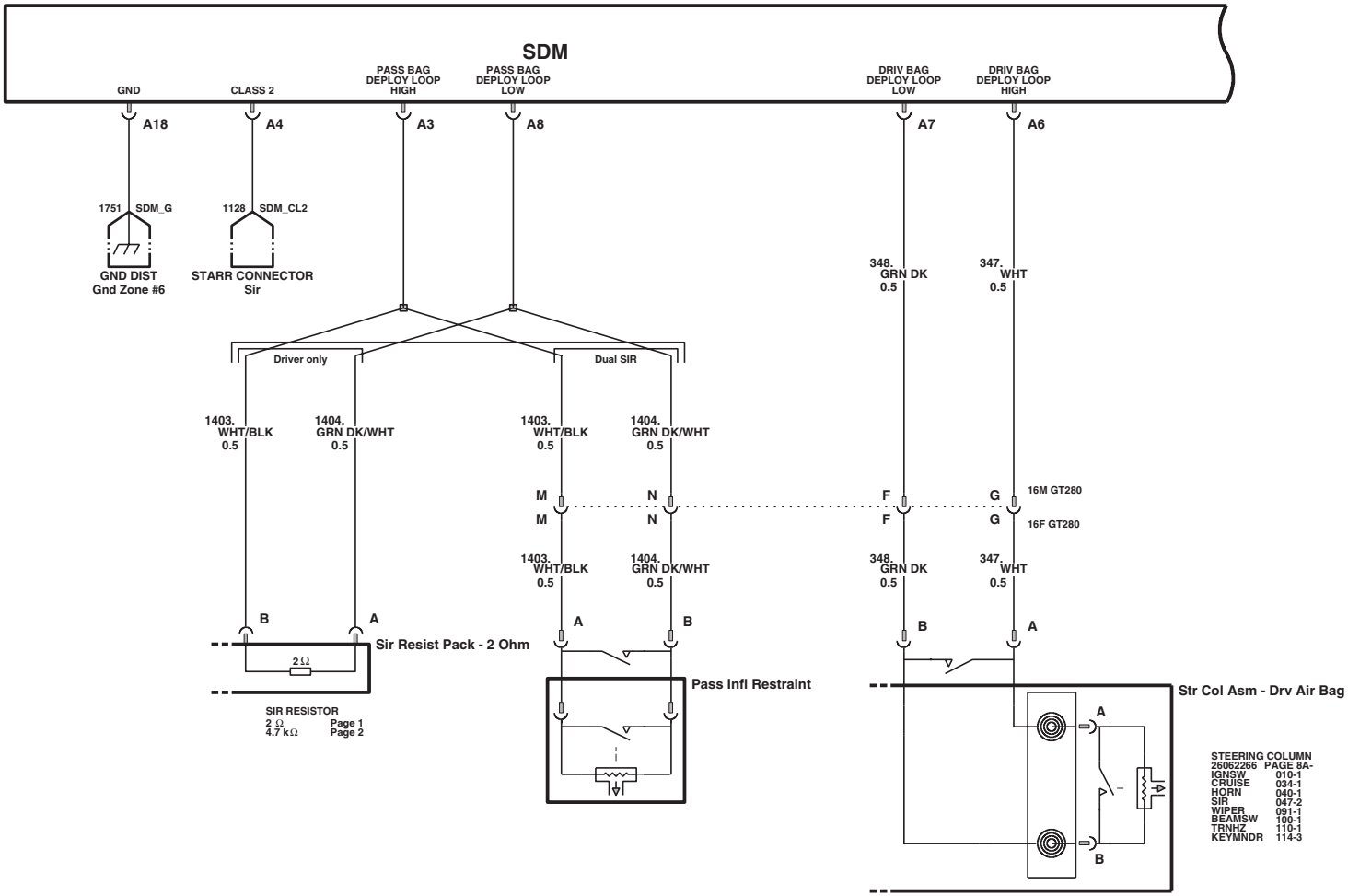


Park Brake (Family 2)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 06 X	h73046a	001	Prod	0	Agustin Velazquez	7:35:53 am	GMT560
Panel Set: 1 schematic sheet1 7	$IVEDWORK/h73046a__001				Friday, March 31, 2006		Panel Set: 1

Park Brake (Family 3)



SIR

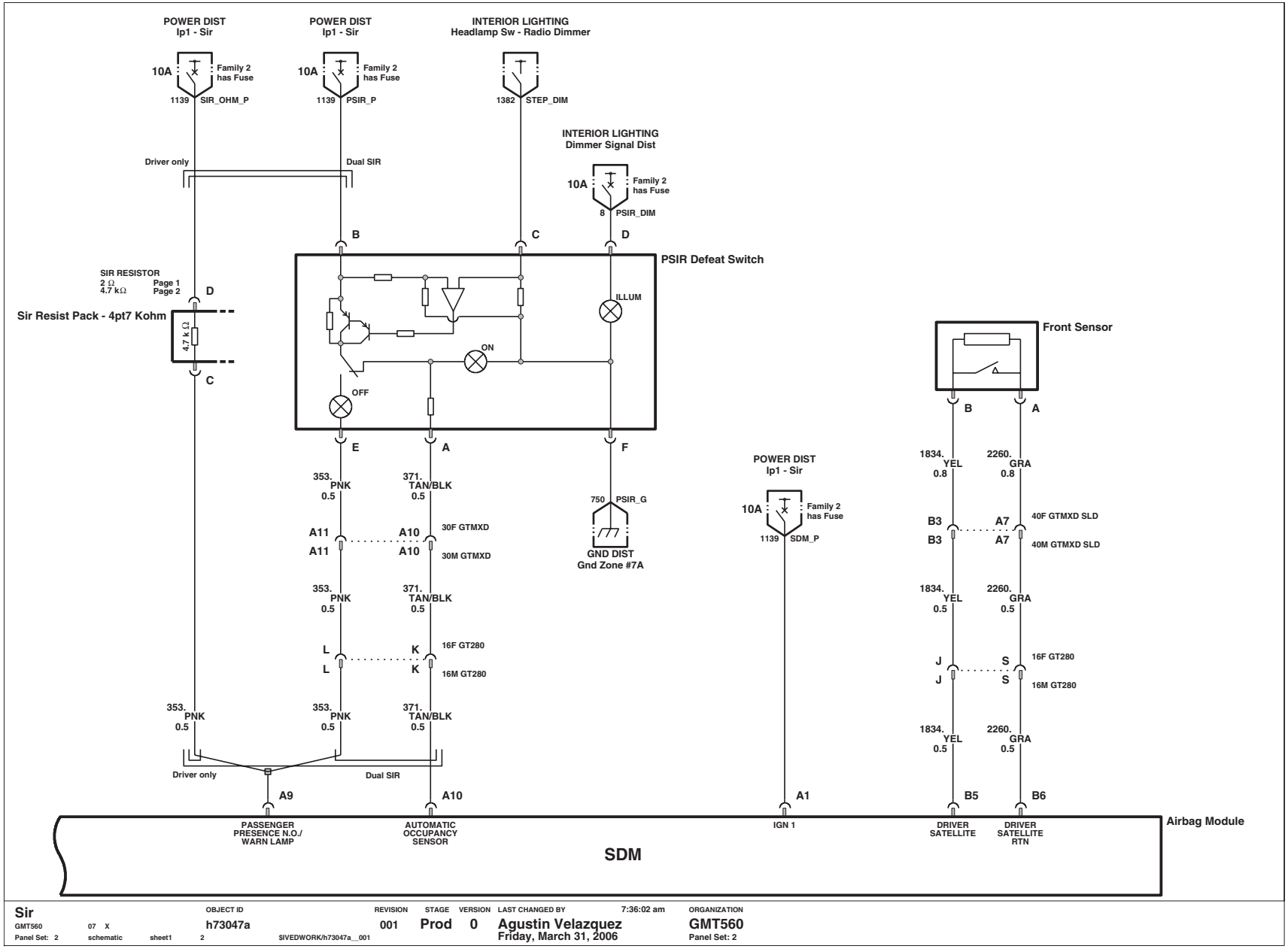


Sir
GMT560 07 X
Panel Set: 1 schematic sheet1 2

OBJECT ID h73047a
$IVEDWORK/h73047a__001

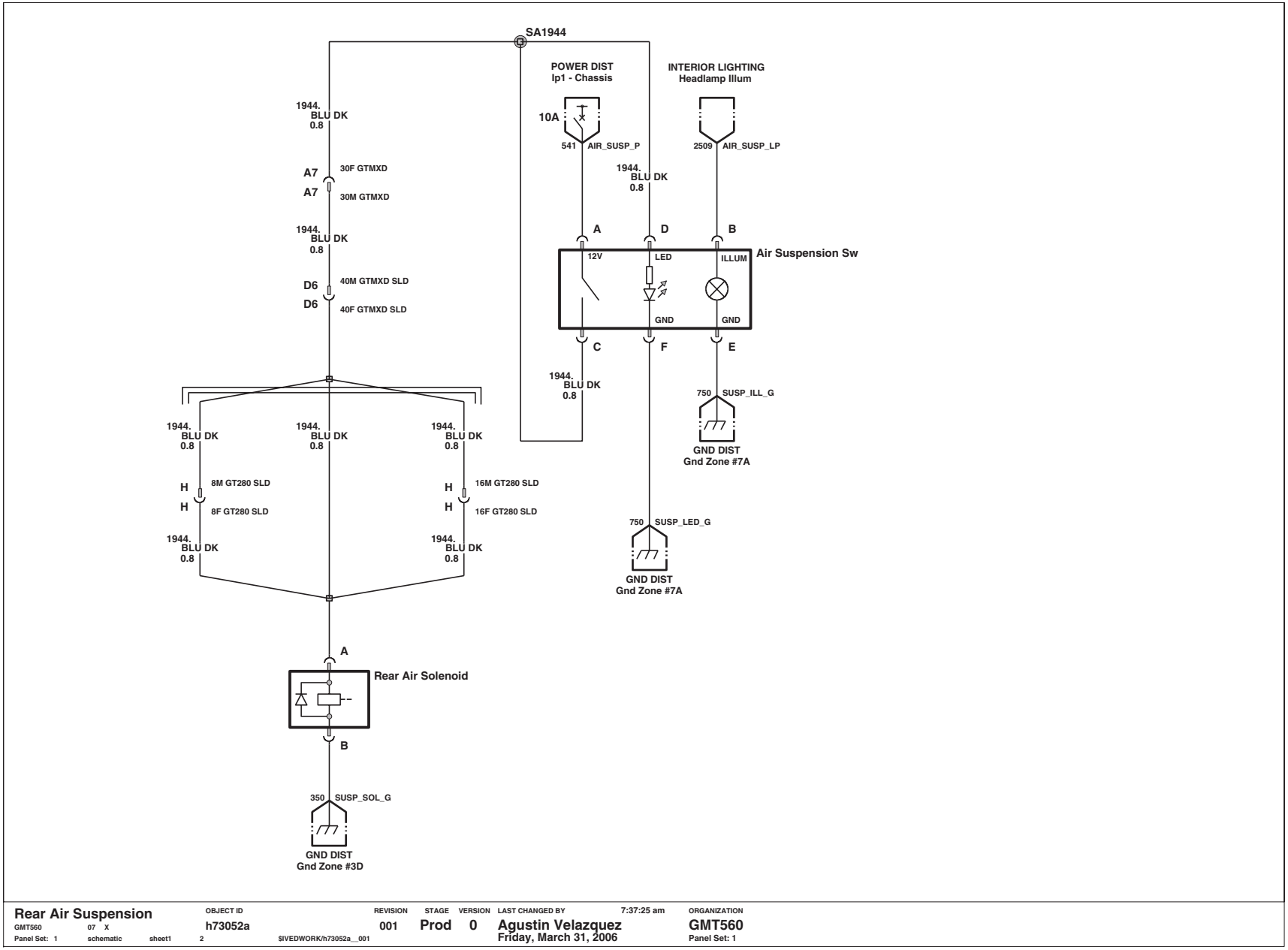
REVISION 001
STAGE Prod
VERSION 0
LAST CHANGED BY Agustin Velazquez
7:36:02 am Friday, March 31, 2006
ORGANIZATION GMT560
Panel Set: 1

SIR (continued)



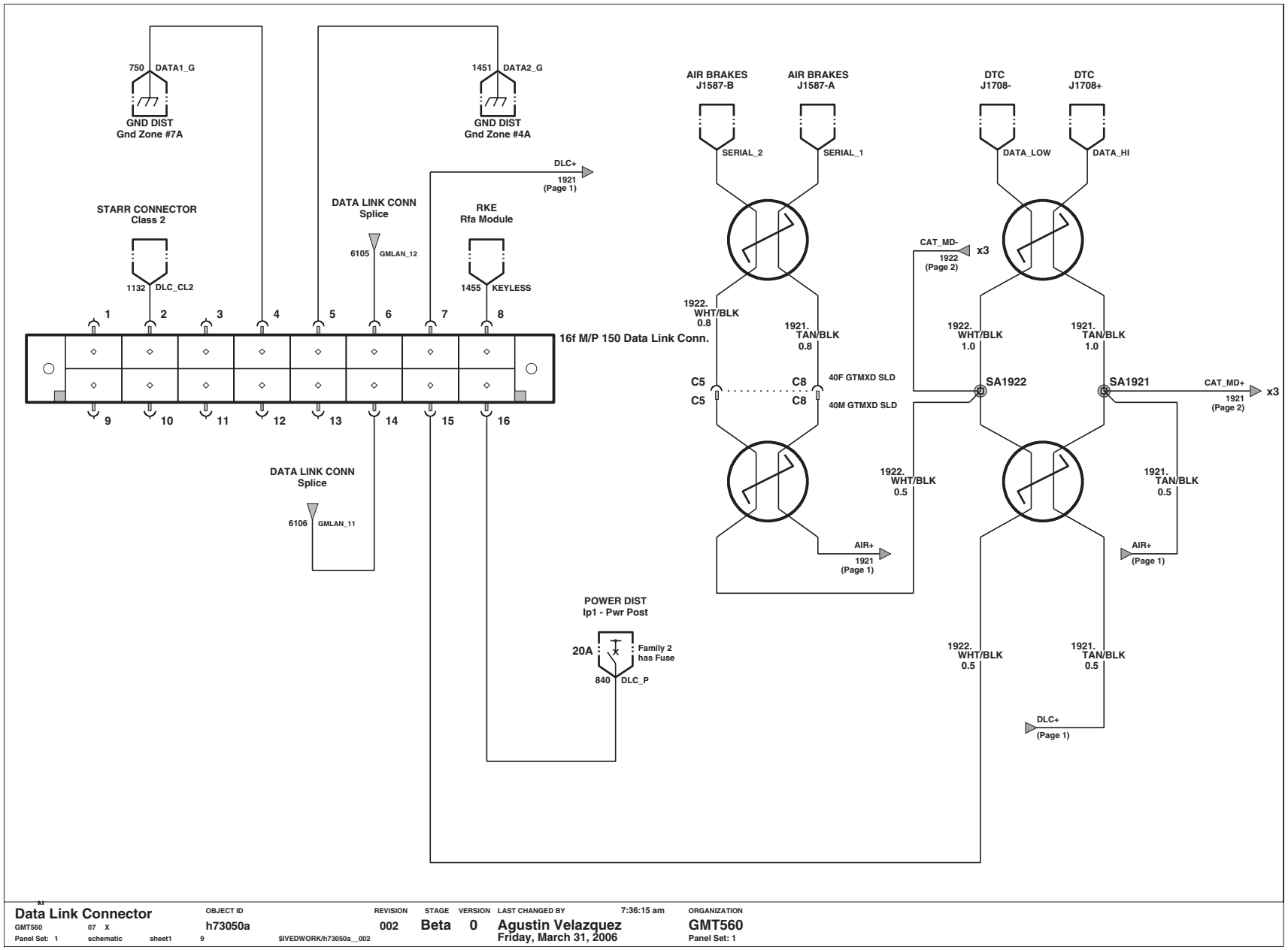
Sir		OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:36:02 am	ORGANIZATION
GMT560	07 X	h73047a	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 2	schematic sheet1 2	$IVEDWORK/h73047a__001				Friday, March 31, 2006		Panel Set: 2

Rear Air Suspension



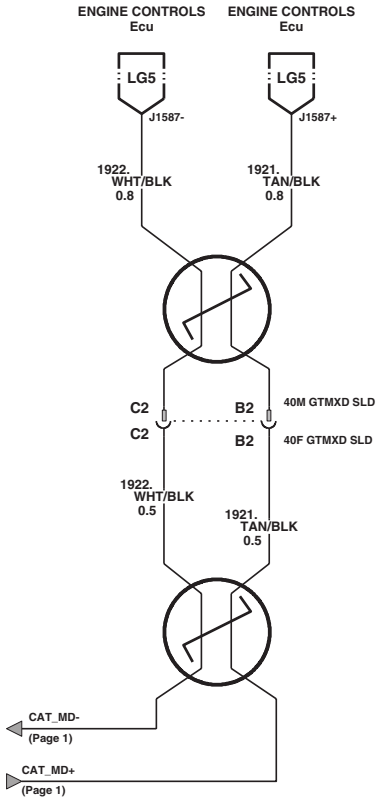
Rear Air Suspension	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73052a	001	Prod	0	Agustin Velazquez	7:37:25 am	GMT560
Panel Set: 1 schematic sheet1 2	SIVEDWORK/h73052a__001				Friday, March 31, 2006		Panel Set: 1

Data Link Connector



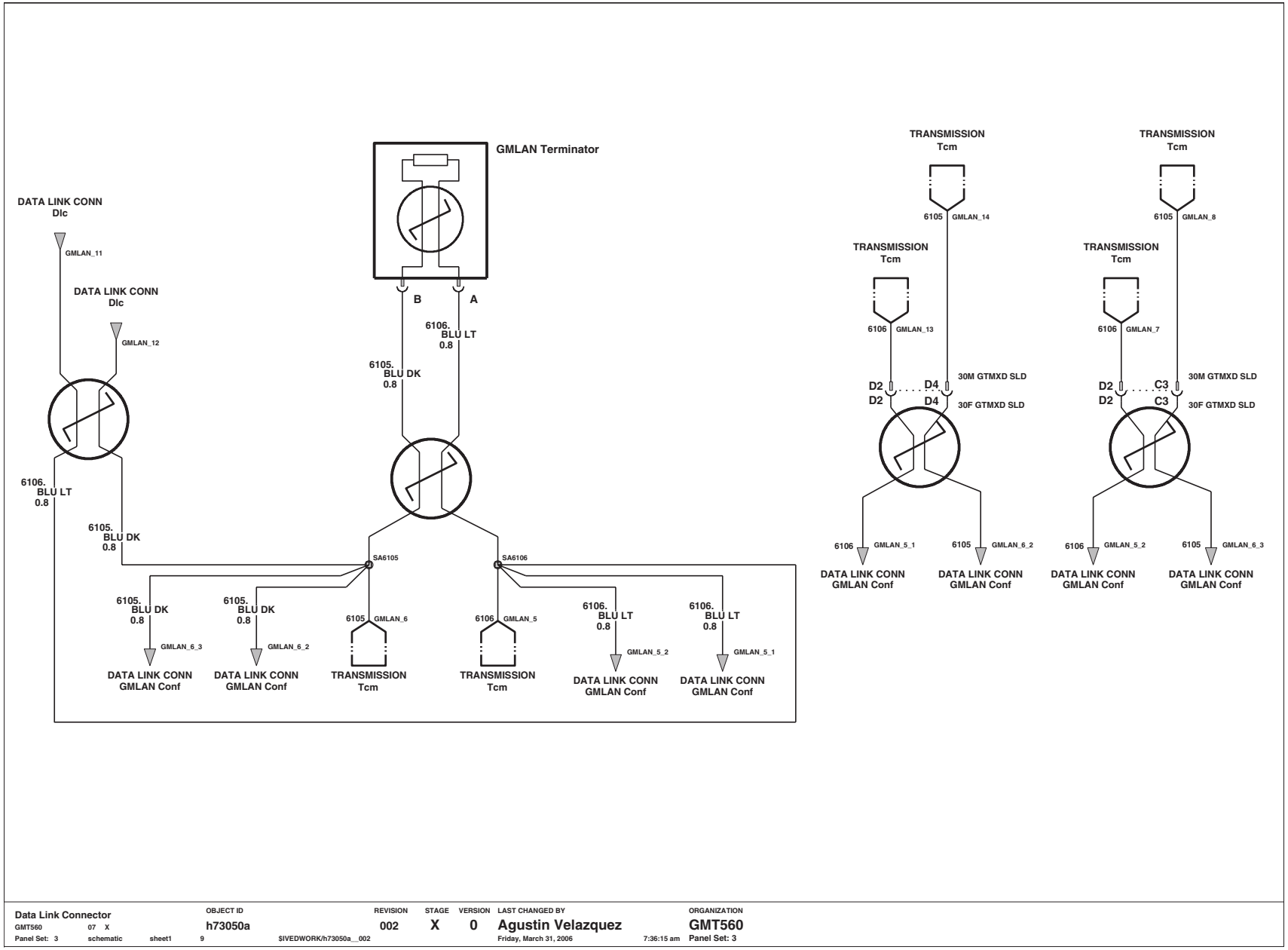
Data Link Connector	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73050a	002	Beta	0	Agustin Velazquez	7:36:15 am	GMT560
Panel Set: 1 schematic sheet1 9	$IVEDWORK/h73050a__002				Friday, March 31, 2006		Panel Set: 1

Data Link Connector (continued)



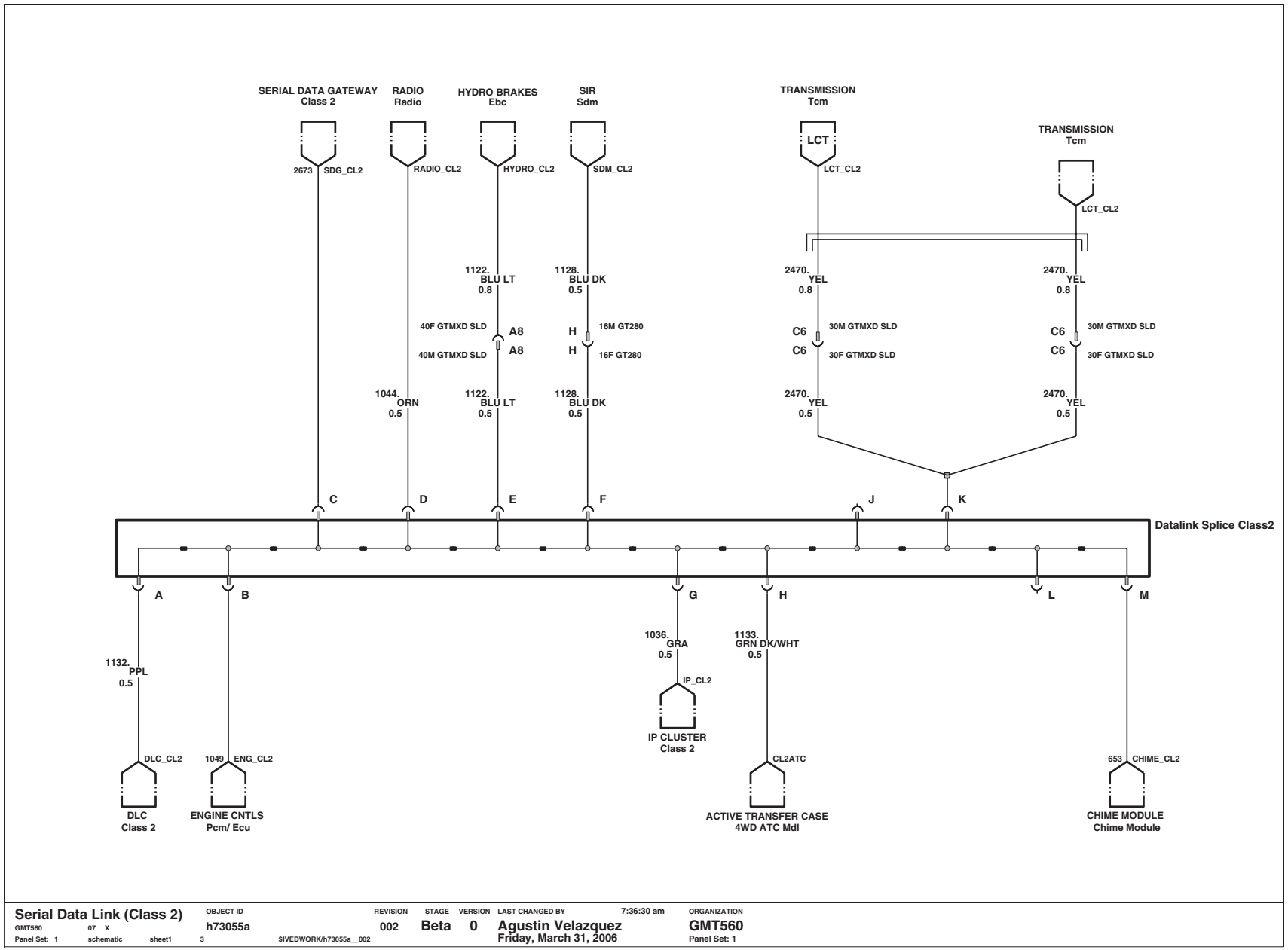
Data Link Connector	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:36:15 am	ORGANIZATION
GMT560 07 X	h73050a	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 9	$IVEDWORK/h73050a__002				Friday, March 31, 2006		Panel Set: 2

Data Link Connector (continued)



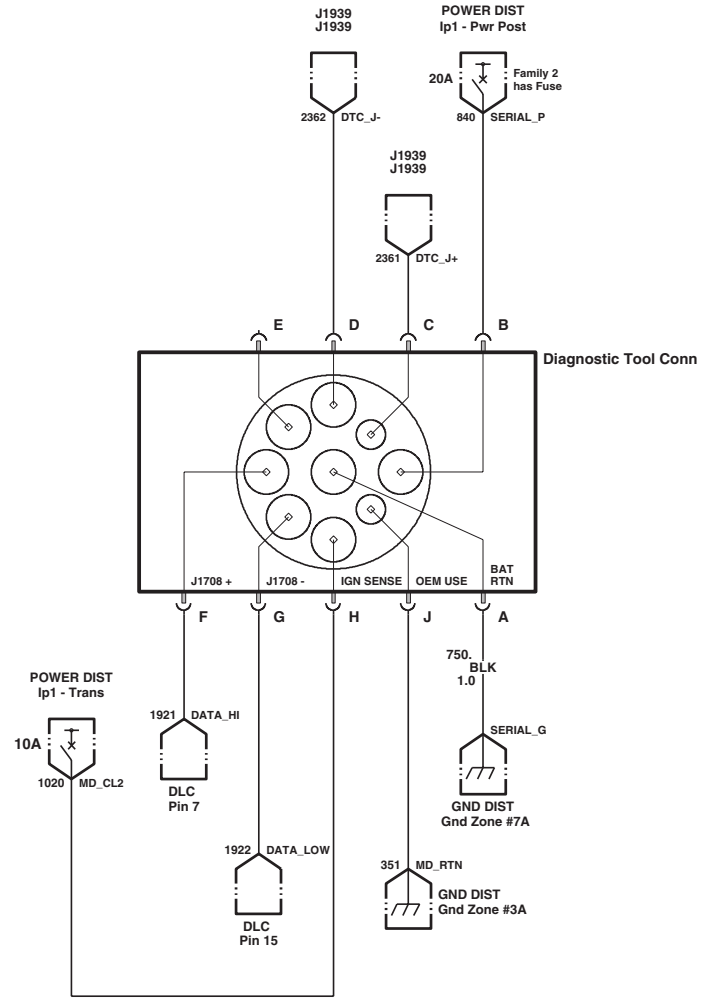
Data Link Connector		OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	ORGANIZATION
GMT560	07 X	h73050a	002	X	0	Agustin Velazquez	GMT560
Panel Set: 3	schematic sheet1 9	$IVEDWORK/h73050a__002				Friday, March 31, 2006 7:36:15 am	Panel Set: 3

Serial Data Link (Class 2)



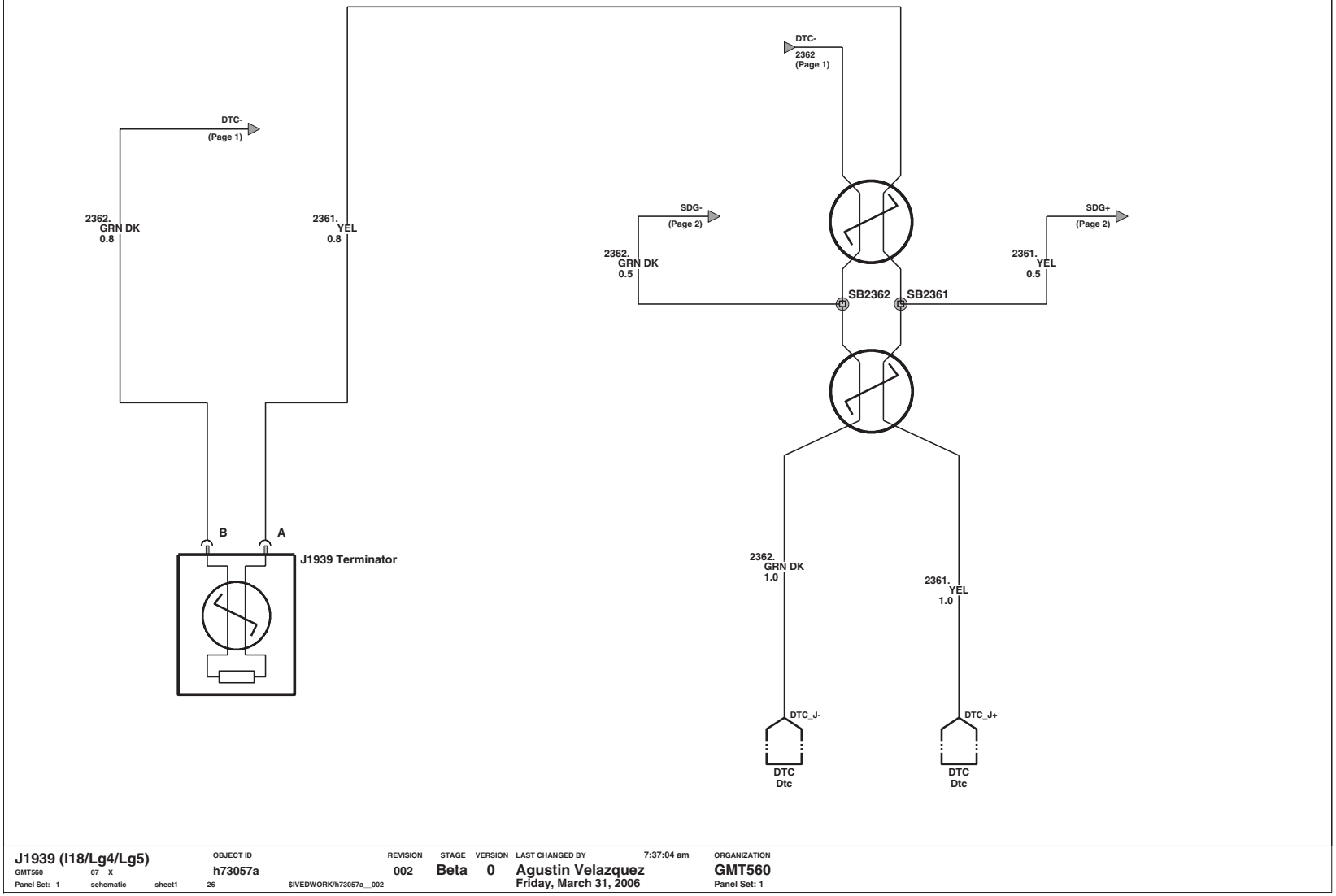
Serial Data Link (Class 2)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73055a	002	Beta	0	Agustin Velazquez	7:36:30 am	GMT560
Panel Set: 1 schematic sheet1 3	$IVEDWORK/h73055a__002				Friday, March 31, 2006		Panel Set: 1

Diagnostic Tool Connector

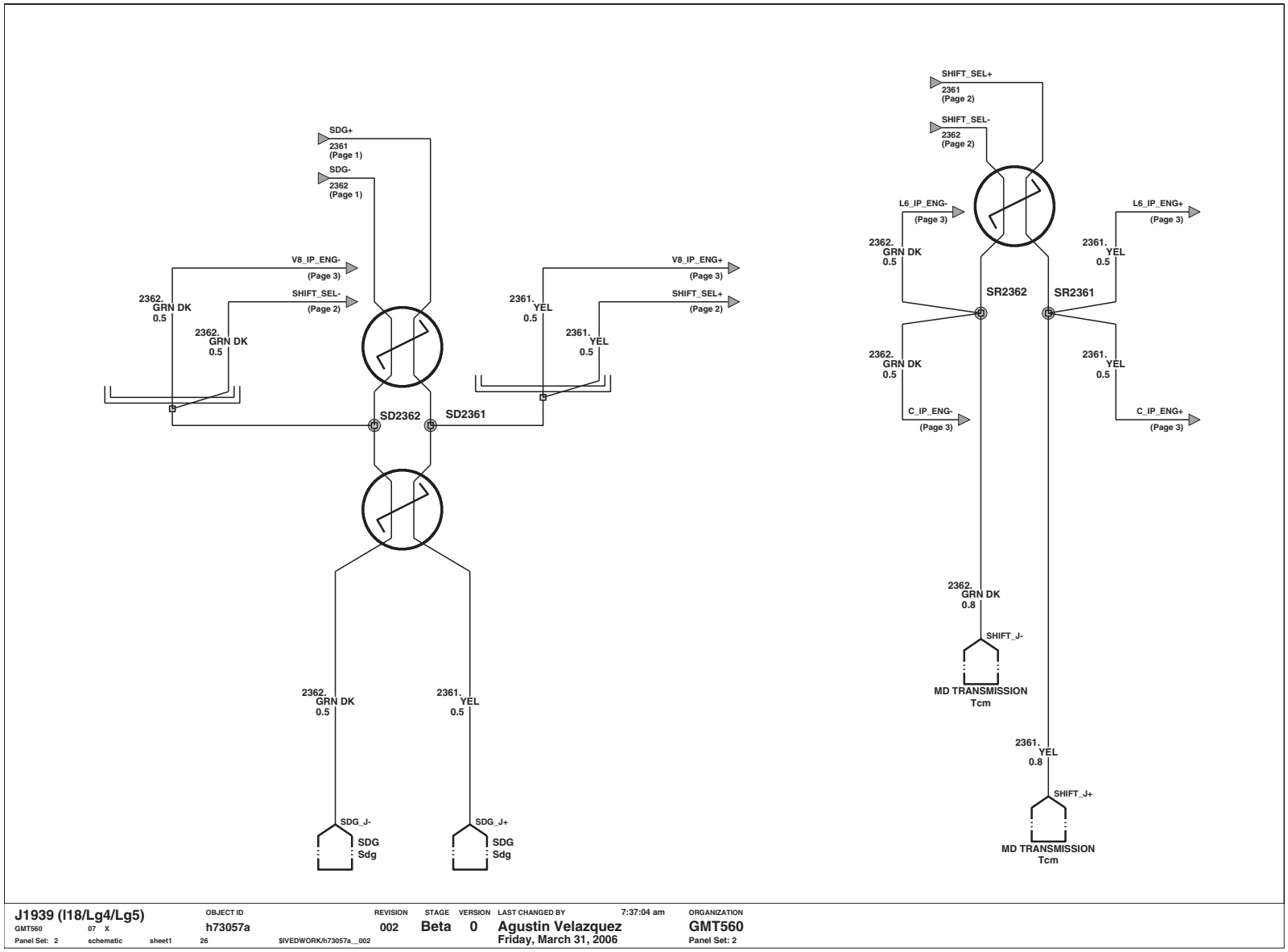


Diagnostic Tool Connector	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73055b	001	Pilot	B	Agustin Velazquez	7:36:44 am	GMT560
Panel Set: 1 schematic sheet1 22	$IVEDWORK/h73055b__001				Friday, March 31, 2006		Panel Set: 1

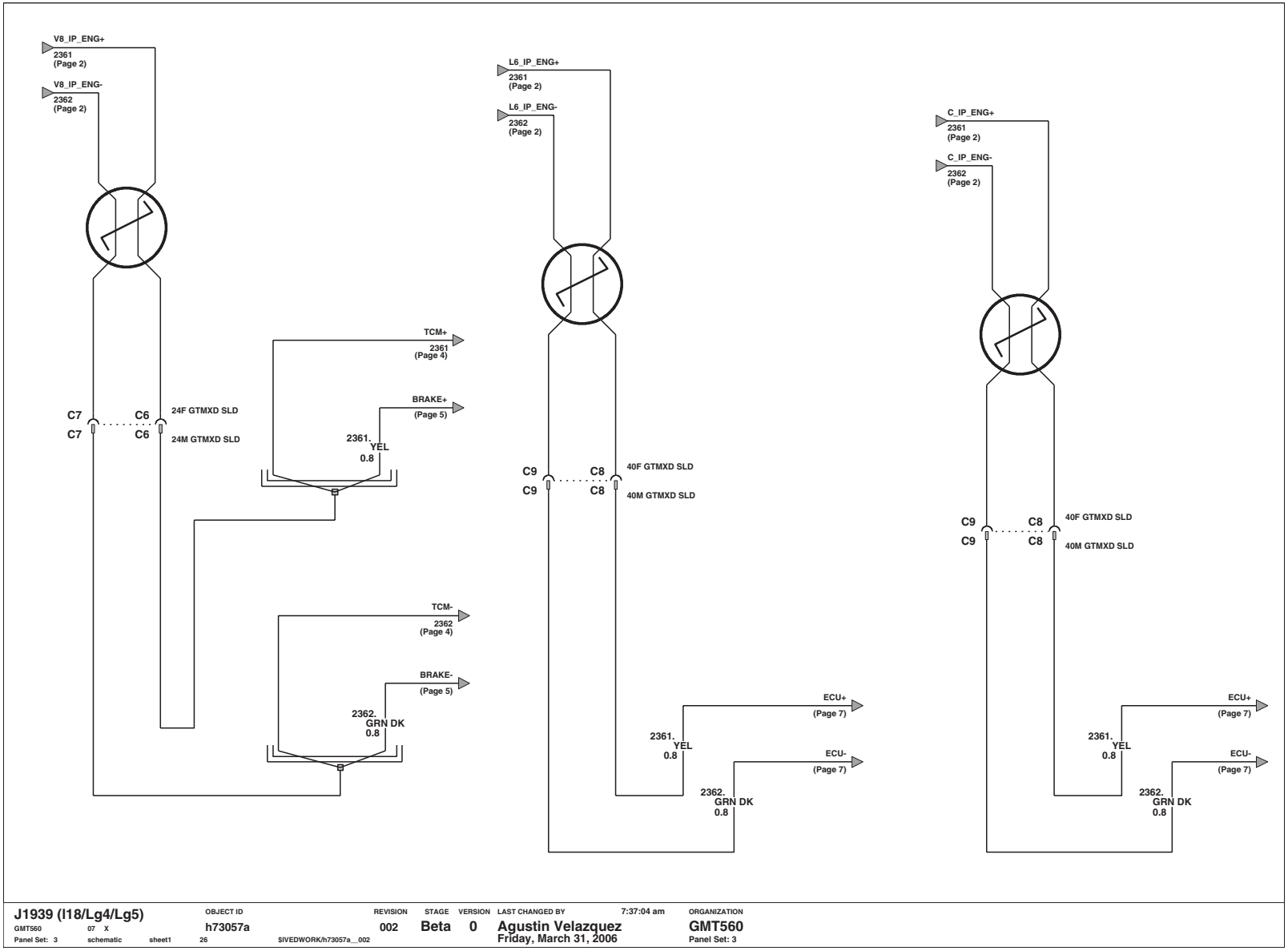
J1939 - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LG4) 7.8L L6 Isuzu 6H - Diesel – (LG5) 7.2L L6 Caterpillar® C7 - Diesel



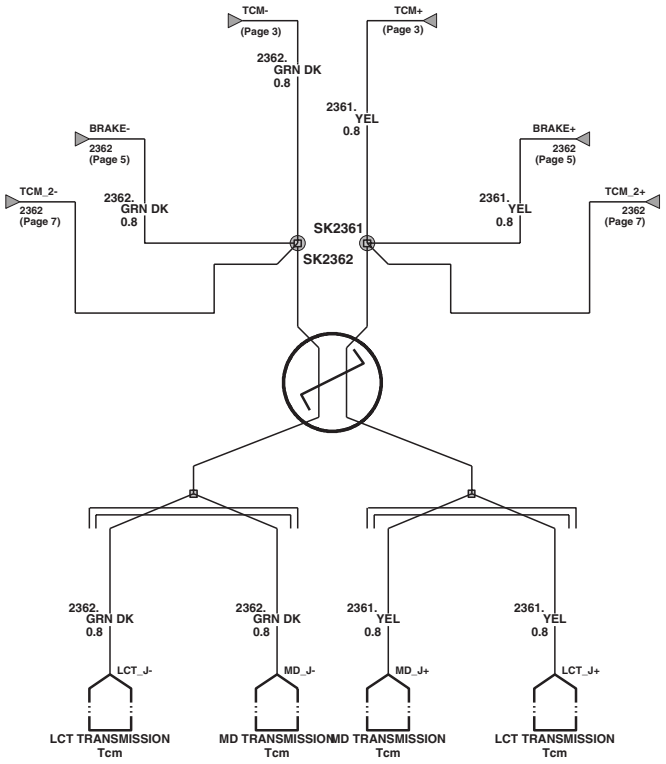
J1939 - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LG4) 7.8L L6 Isuzu 6H - Diesel – (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



J1939 - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LG4) 7.8L L6 Isuzu 6H - Diesel – (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

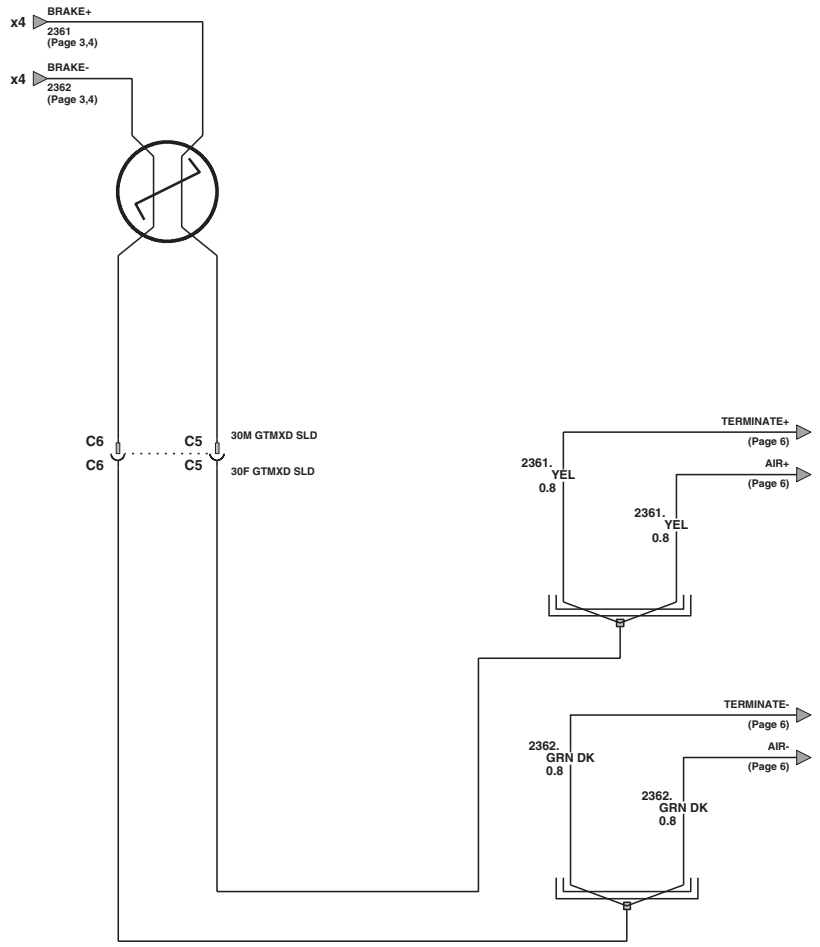


J1939 - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LG4) 7.8L L6 Isuzu 6H - Diesel – (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



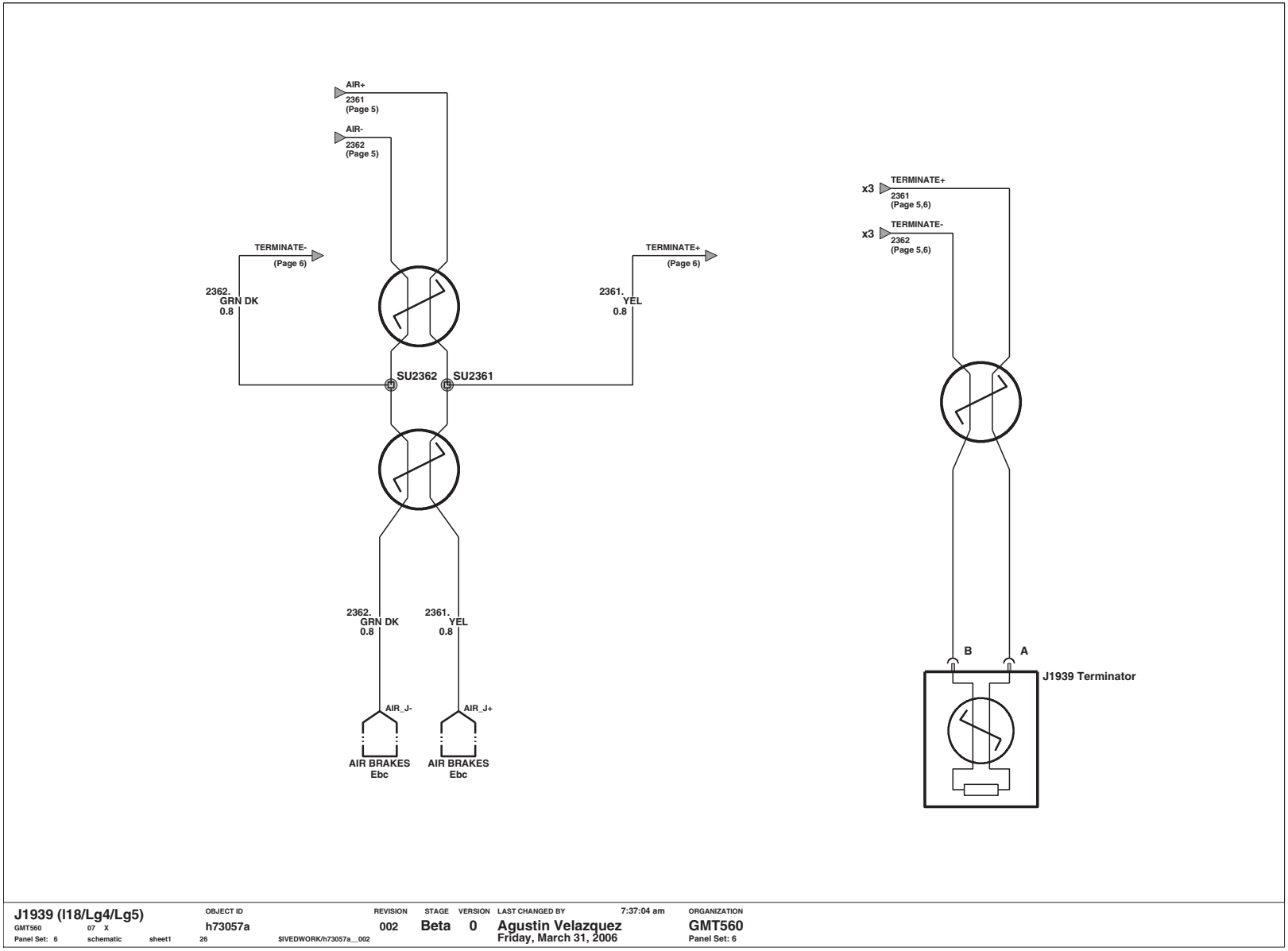
J1939 (I18/Lg4/Lg5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:37:04 am	ORGANIZATION
GMT560 07 X	h73057a	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 4 schematic sheet1 26	$IVEDWORK/h73057a__002				Friday, March 31, 2006		Panel Set: 4

J1939 - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LG4) 7.8L L6 Isuzu 6H - Diesel – (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

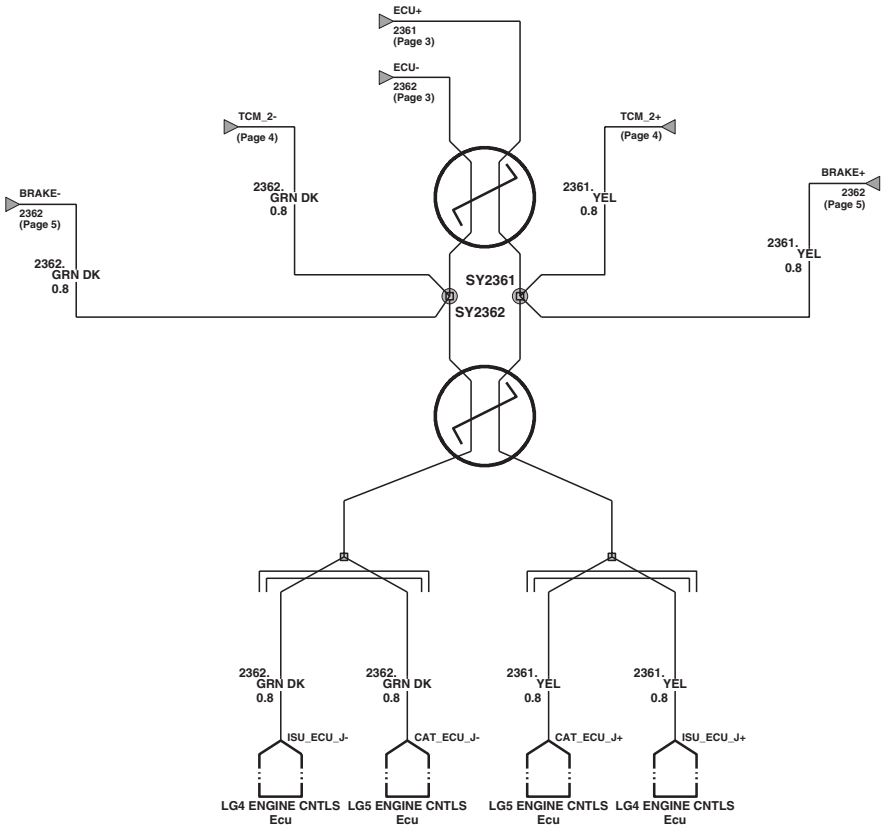


J1939 (l18/Lg4/Lg5) | OBJECT ID | REVISION | STAGE | VERSION | LAST CHANGED BY | 7:37:04 am | ORGANIZATION
GMT560 07 X | h73057a | 002 | Beta | 0 | Agustin Velazquez | GMT560
Panel Set: 5 | schematic | sheet1 | 26 | $IVEDWORK/h73057a__002 | Friday, March 31, 2006 | Panel Set: 5

J1939 - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LG4) 7.8L L6 Isuzu 6H - Diesel – (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)

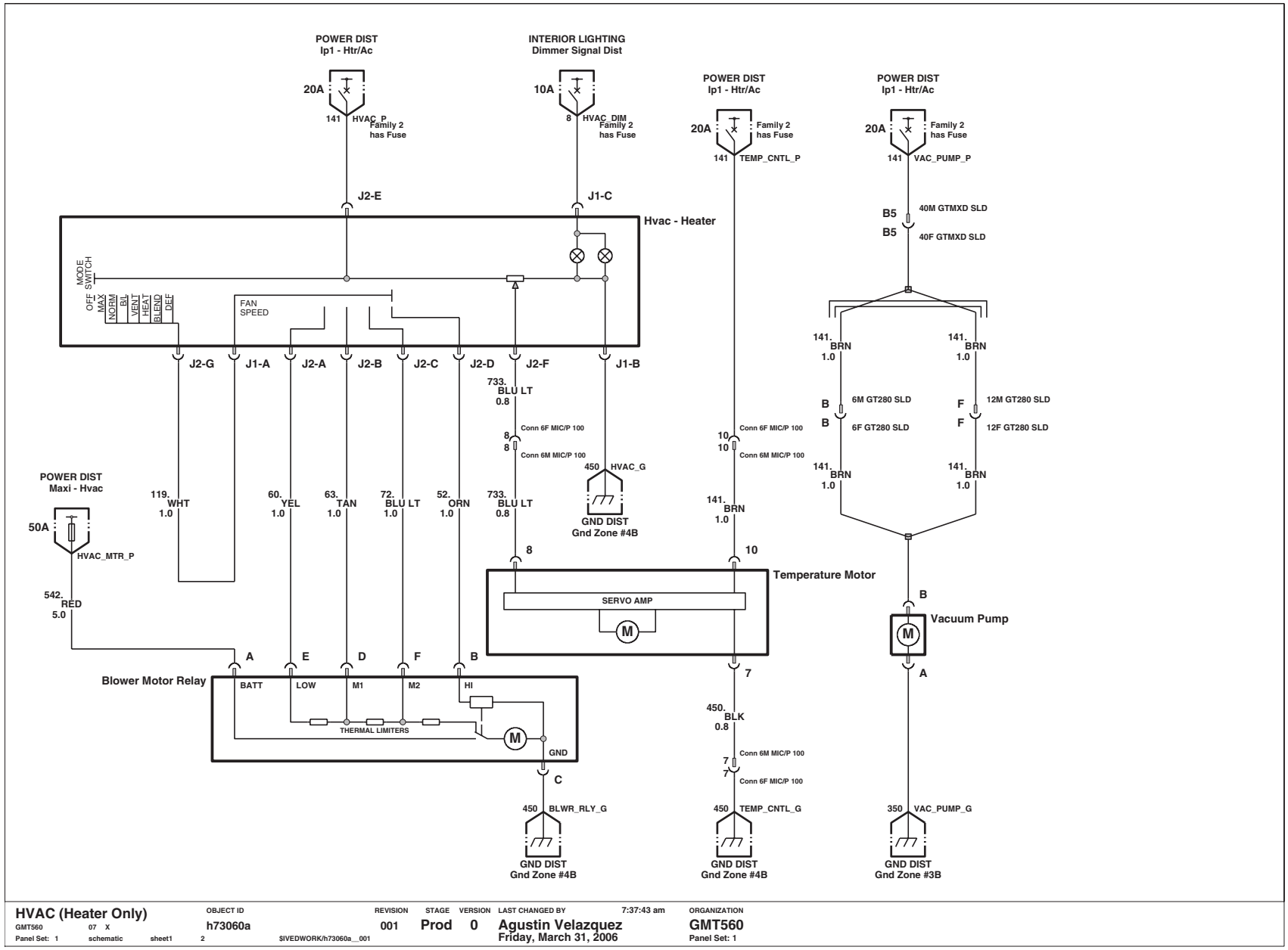


J1939 - (L18) 8.1L V8 GMPT VORTEC® - Gas – (LG4) 7.8L L6 Isuzu 6H - Diesel – (LG5) 7.2L L6 Caterpillar® C7 - Diesel (continued)



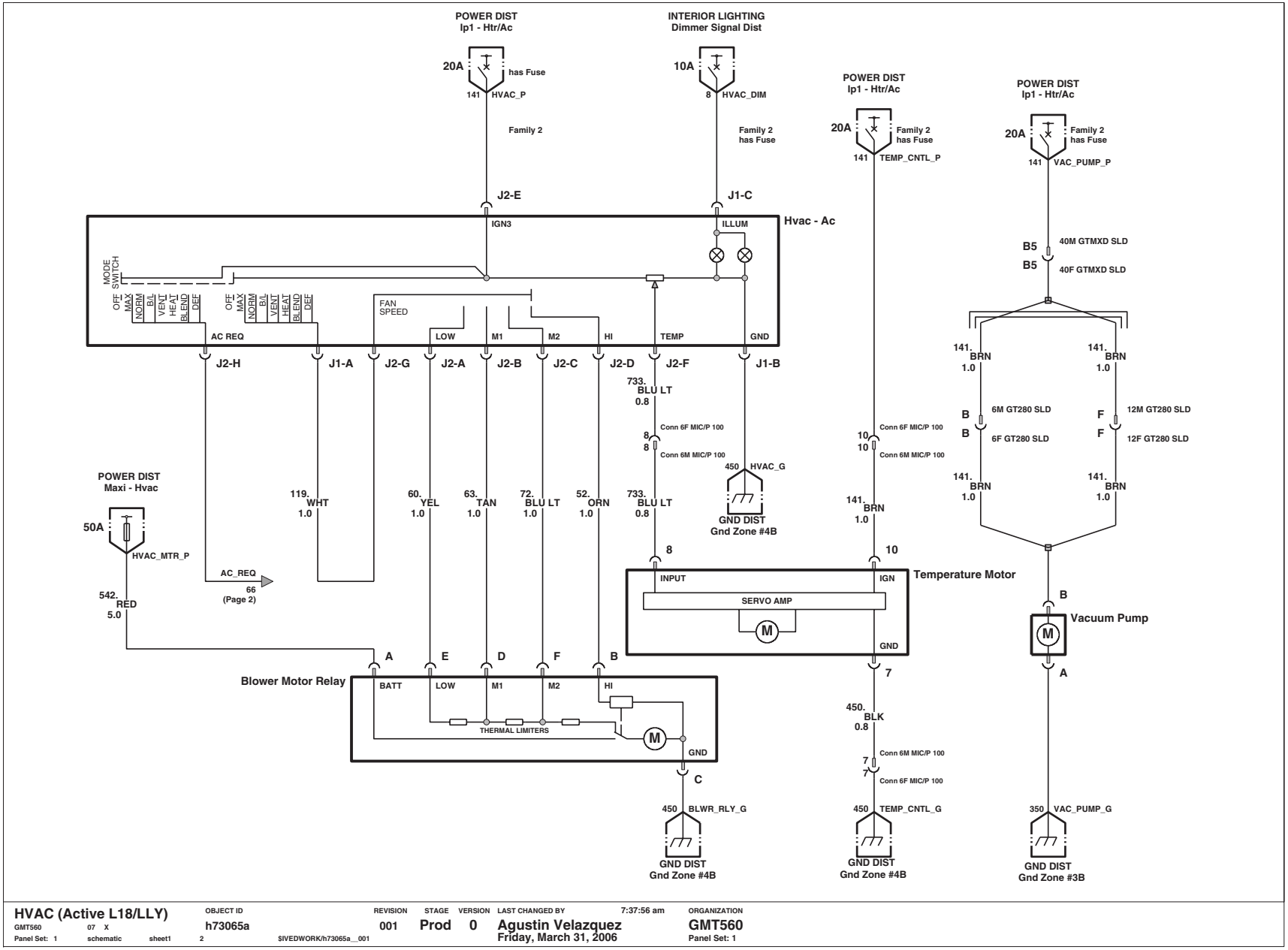
J1939 (I18/Lg4/Lg5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	ORGANIZATION
GMT560 07 X	h73057a	002	X	0	Agustin Velazquez	GMT560
Panel Set: 7 schematic sheet1 26 $IVEDWORK/h73057a__002					Friday, March 31, 2006 7:37:04 am	Panel Set: 7

HVAC – Heater Only



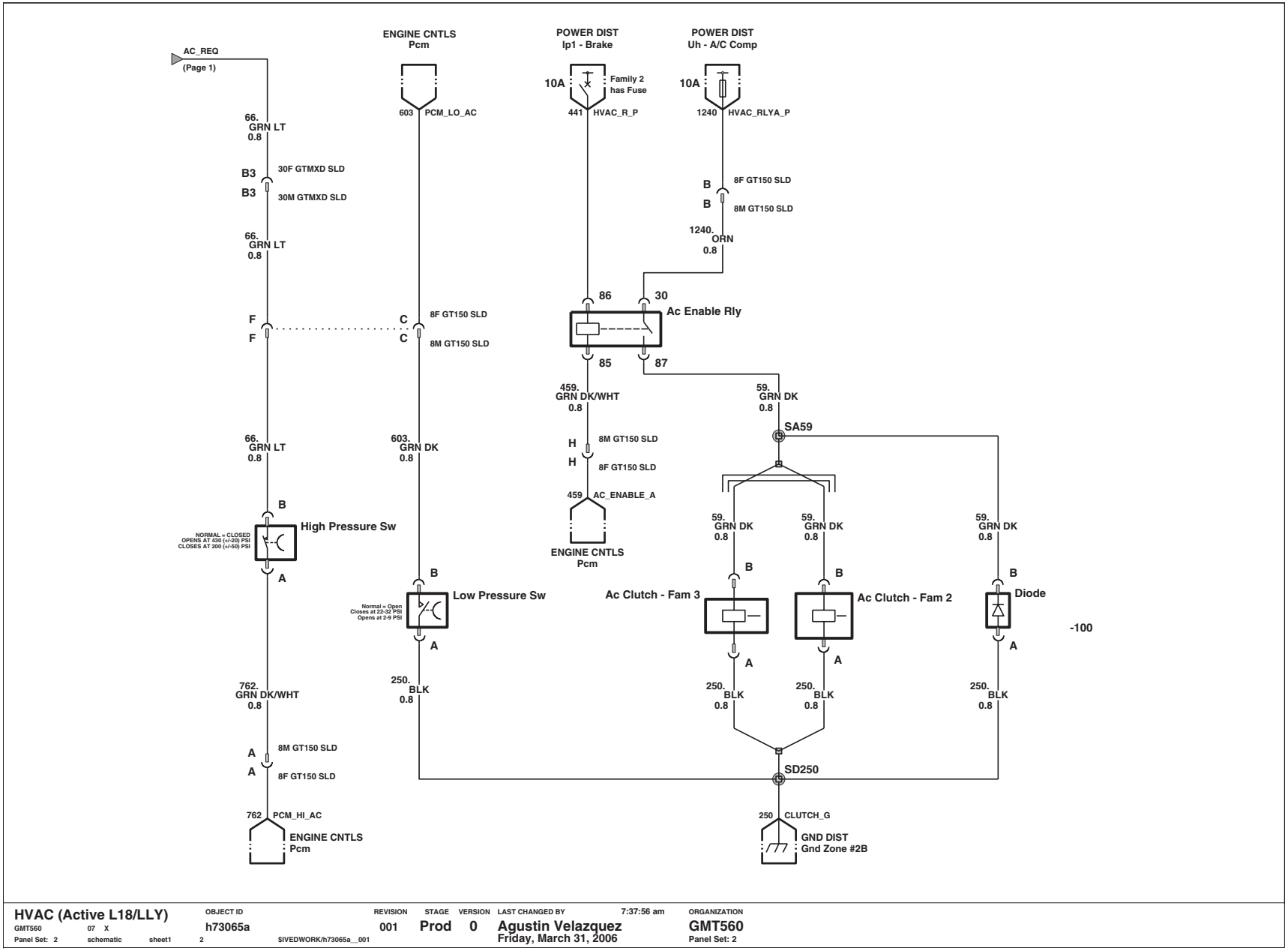
HVAC (Heater Only)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73060a	001	Prod	0	Agustin Velazquez	7:37:43 am	GMT560
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h73060a__001				Friday, March 31, 2006		Panel Set: 1

HVAC - Active (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions



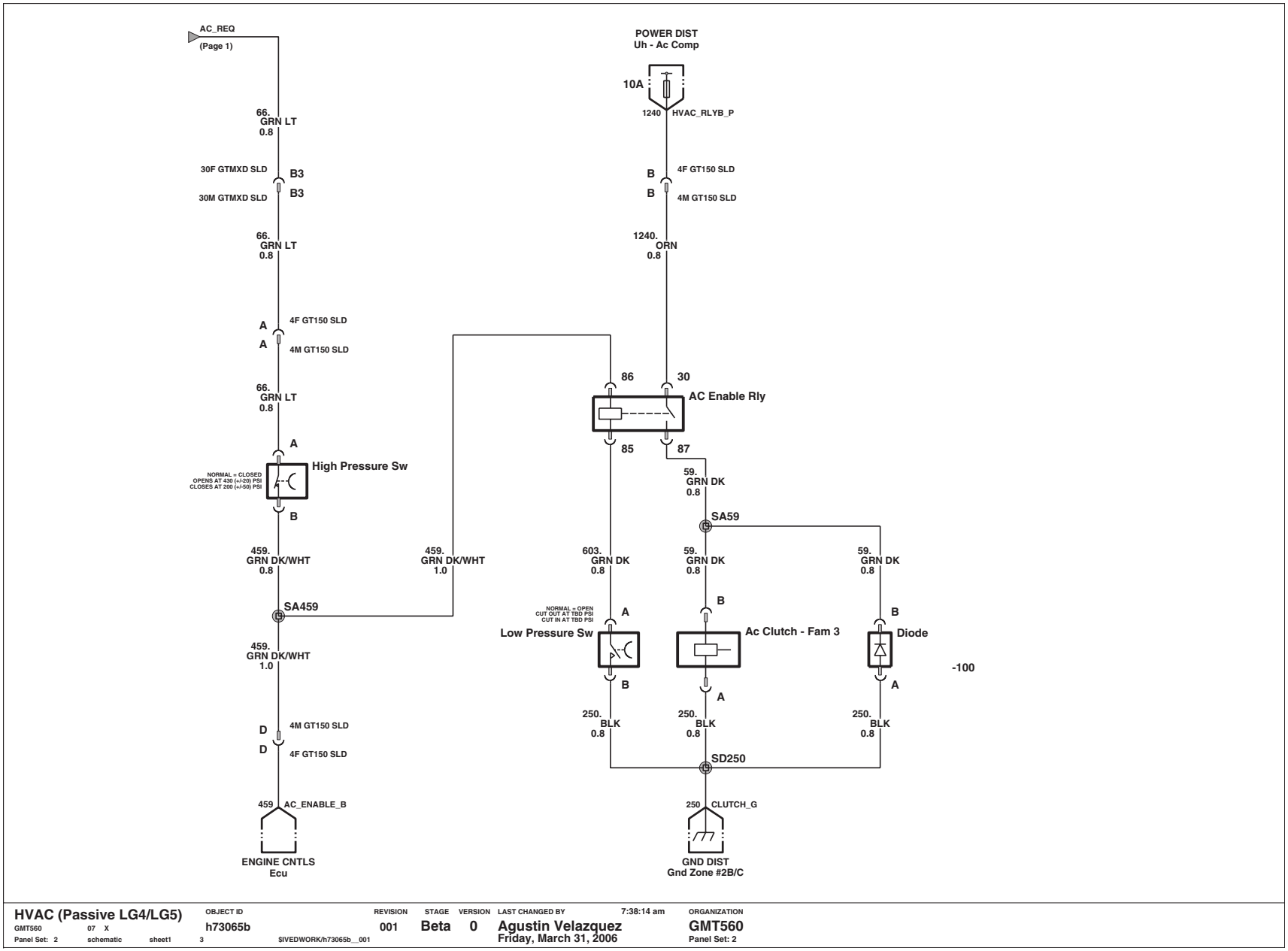
HVAC (Active L18/LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:37:56 am	ORGANIZATION
GMT560 07 X	h73065a	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h73065a__001				Friday, March 31, 2006		Panel Set: 1

HVAC - Active (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



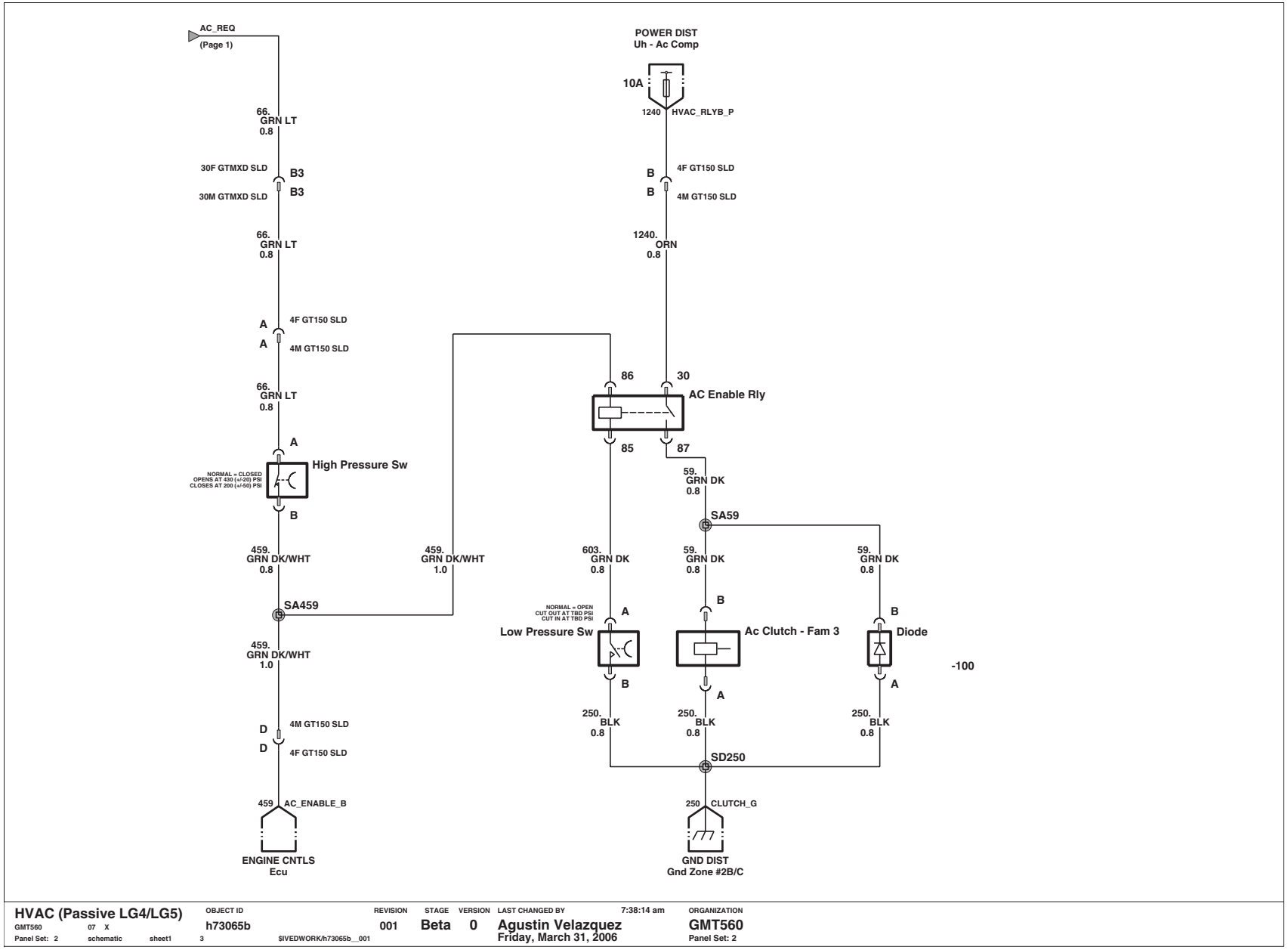
HVAC (Active L18/LLY)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73065a	001	Prod	0	Agustin Velazquez	7:37:56 am	GMT560
Panel Set: 2 schematic sheet1 2	$IVEDWORK/h73065a__001				Friday, March 31, 2006		Panel Set: 2

HVAC – Passive (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions



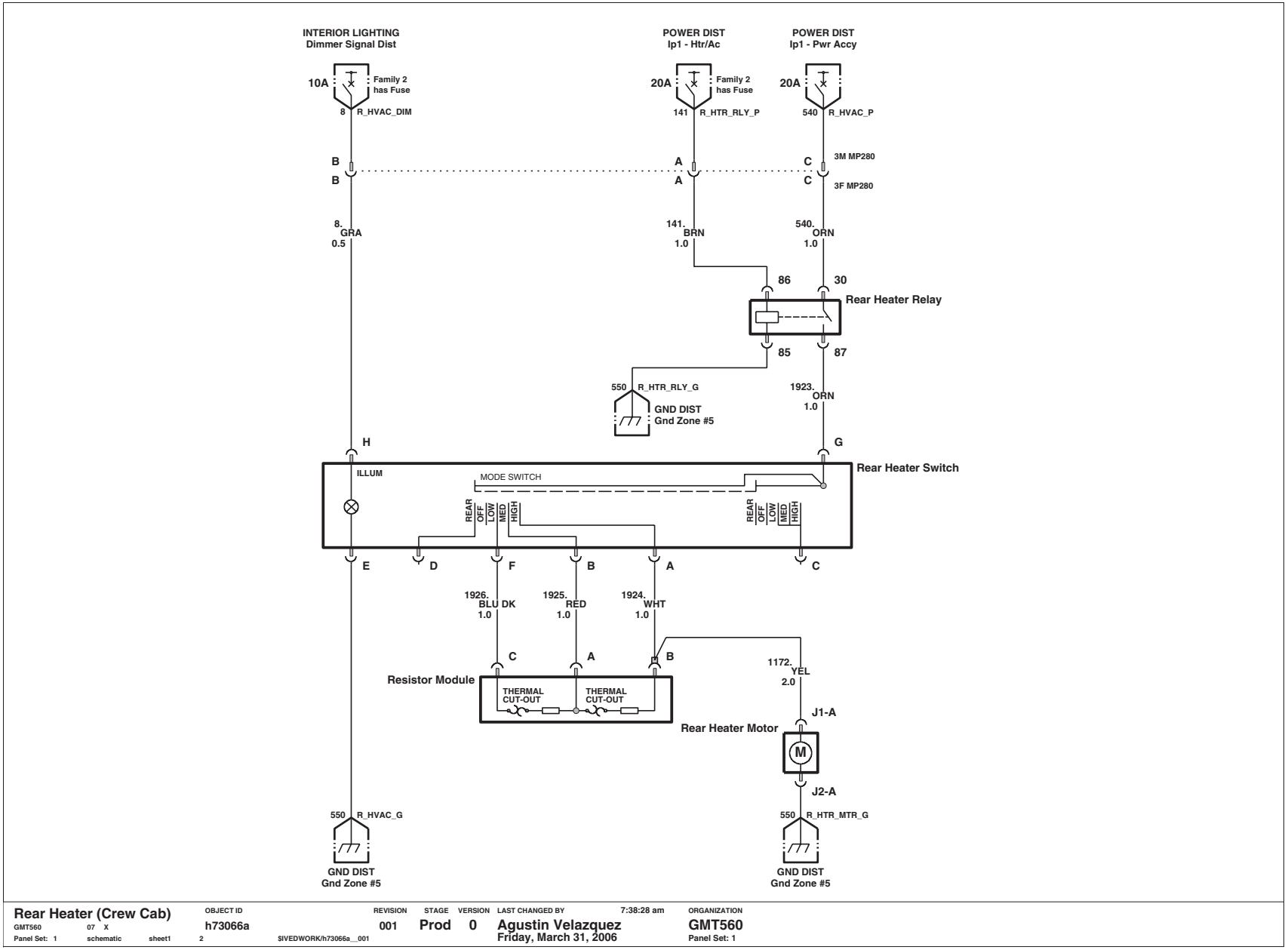
HVAC (Passive LG4/LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:38:14 am	ORGANIZATION
GMT560 07 X	h73065b	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 3	$IVEDWORK/h73065b__001				Friday, March 31, 2006		Panel Set: 2

HVAC – Passive (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions



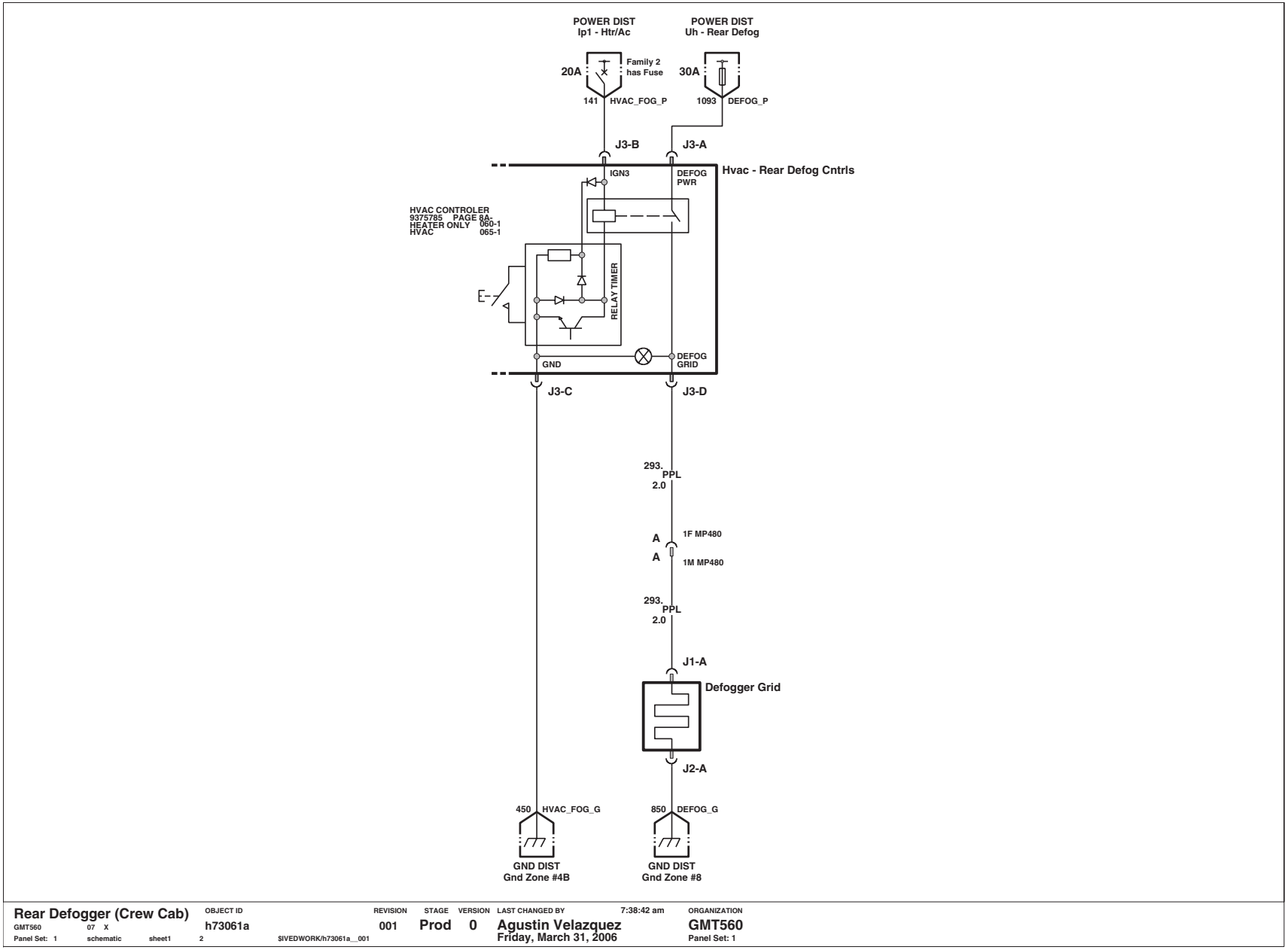
HVAC (Passive LG4/LG5)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73065b	001	Beta	0	Agustin Velazquez	7:38:14 am	GMT560
Panel Set: 2 schematic sheet1 3	$IVEDWORK/h73065b__001				Friday, March 31, 2006		Panel Set: 2

Rear Heater – Crew Cab



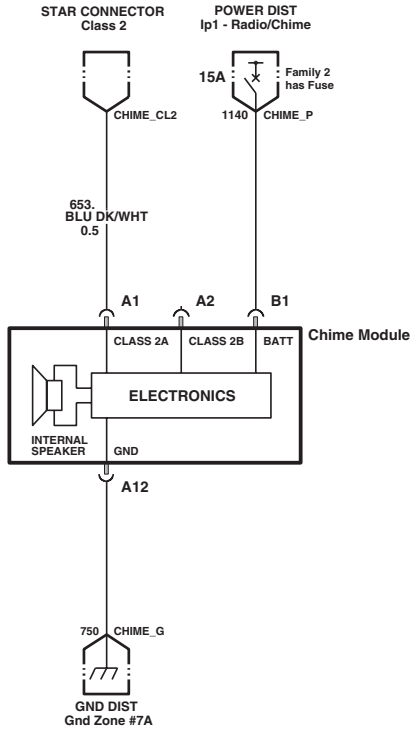
Rear Heater (Crew Cab)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:38:28 am	ORGANIZATION
GMT560 07 X	h73066a	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h73066a__001				Friday, March 31, 2006		Panel Set: 1

Rear Defogger – Crew Cab



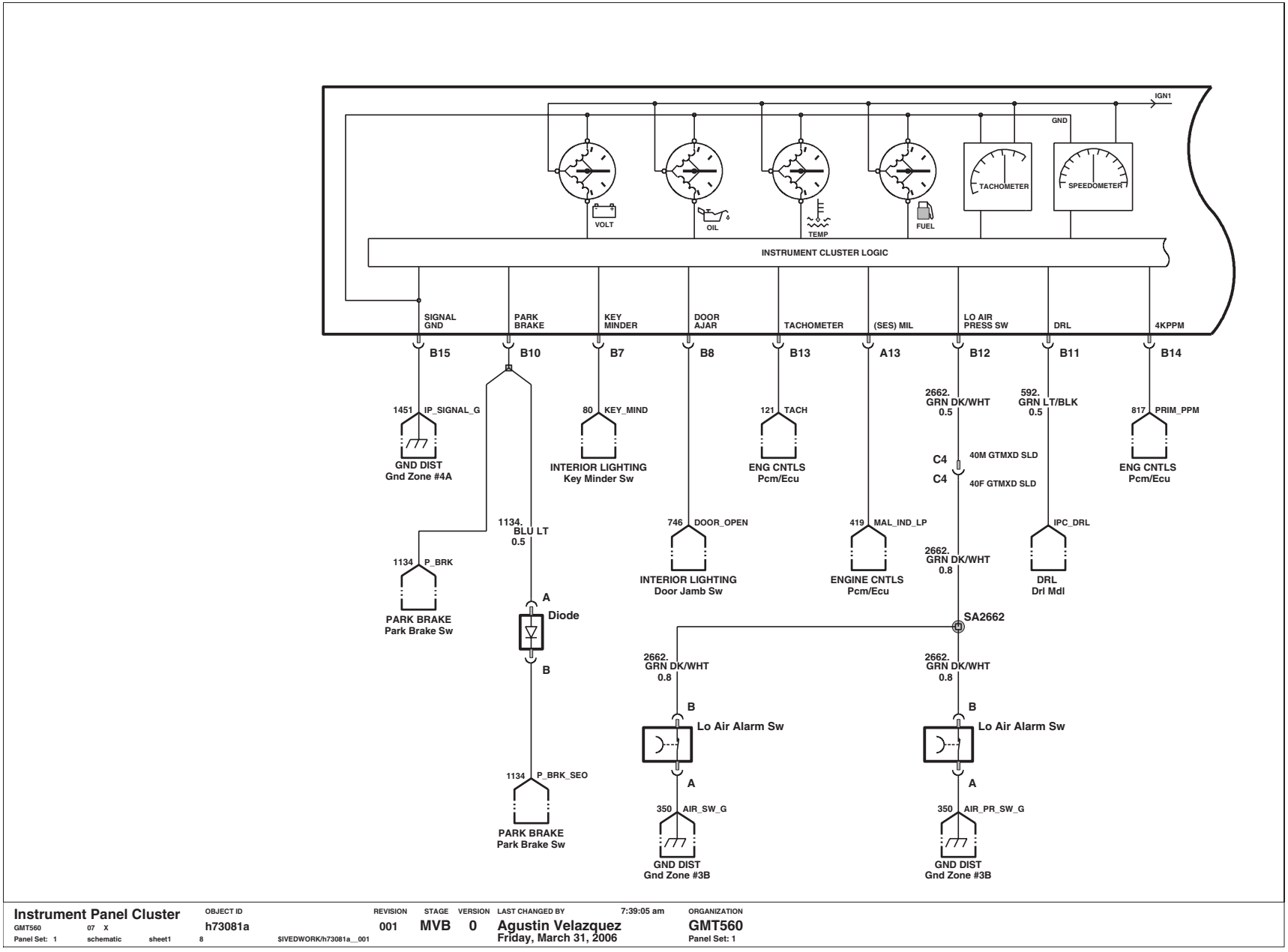
Rear Defogger (Crew Cab)	OBJECT ID		REVISION	STAGE	VERSION	LAST CHANGED BY	7:38:42 am	ORGANIZATION
GMT560 07 X	**h73061a**		**001**	**Prod**	**0**	**Agustin Velazquez**		**GMT560**
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h73061a__001					**Friday, March 31, 2006**		Panel Set: 1

Chime



Chime		OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:38:55 am	ORGANIZATION
GMT560	07 X	h73076a	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1	schematic sheet1 2	$IVEDWORK/h73076a__001				Friday, March 31, 2006		Panel Set: 1

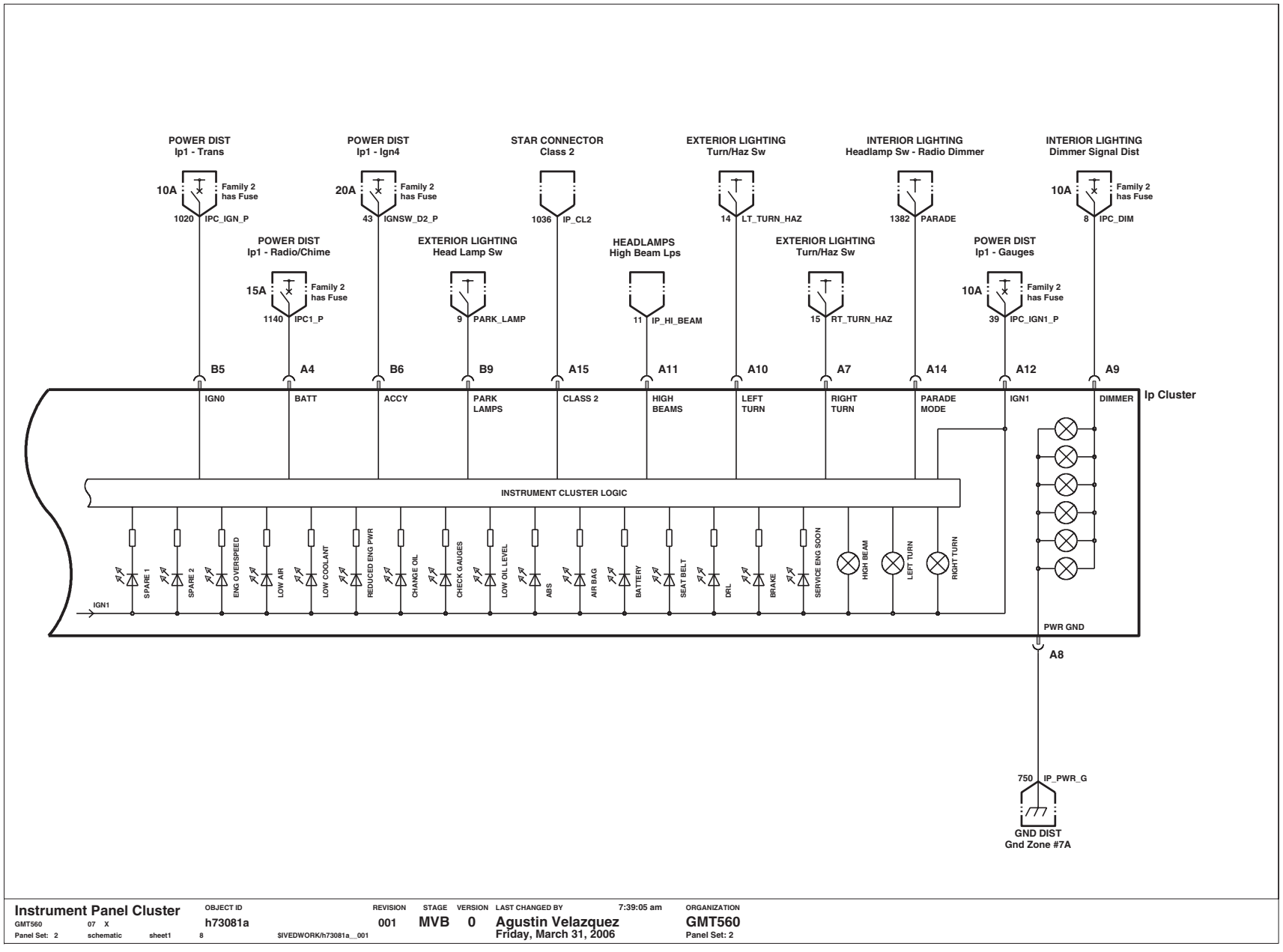
Displays - Instrument Panel Cluster (IPC)



Instrument Panel Cluster OBJECT ID h73081a REVISION 001 STAGE MVB VERSION 0 LAST CHANGED BY Agustin Velazquez 7:39:05 am Friday, March 31, 2006 ORGANIZATION GMT560 Panel Set: 1

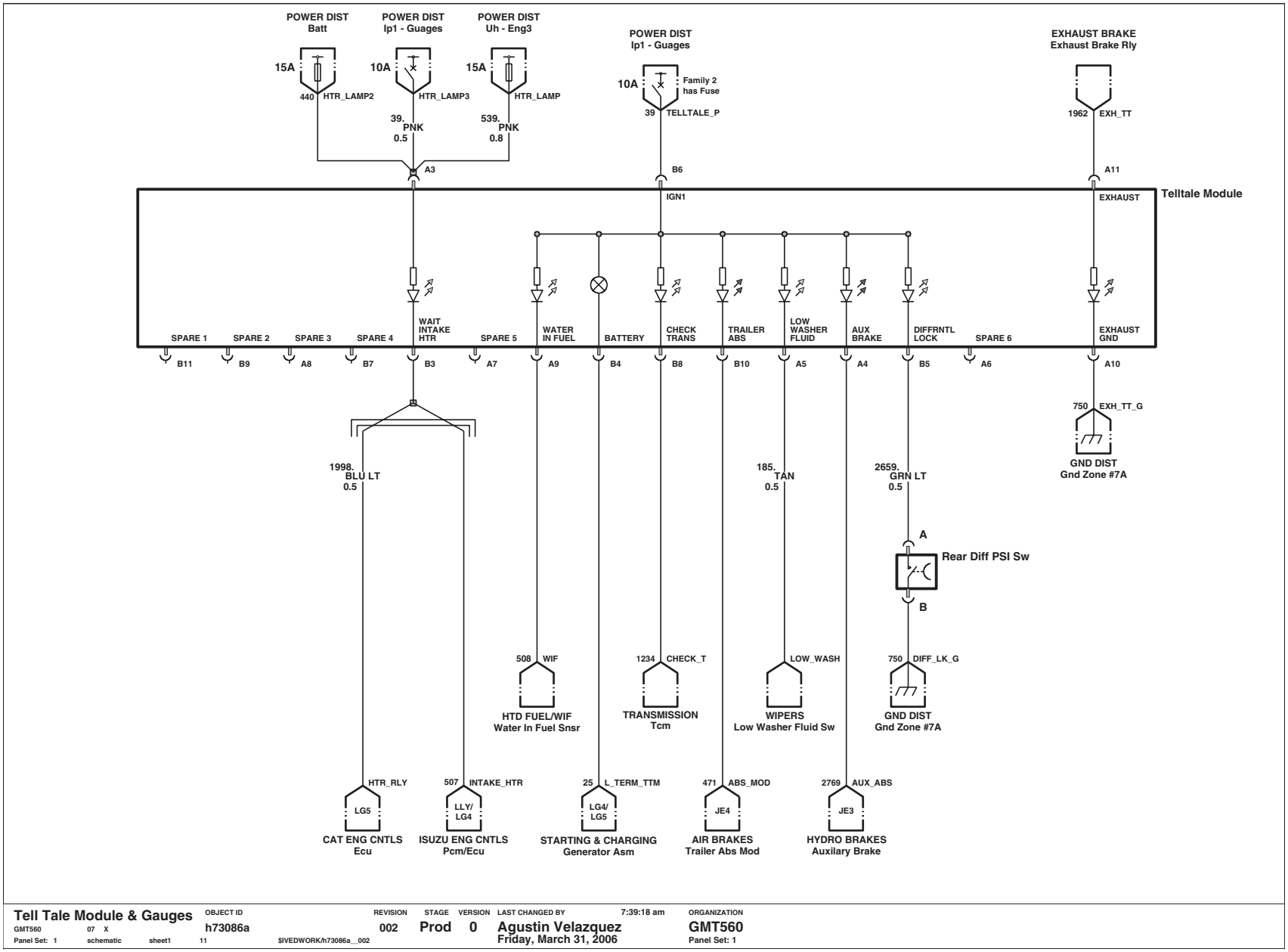
GMT560 07 X Panel Set: 1 schematic sheet1 8 $IVEDWORK/h73081a__001

Displays - Instrument Panel Cluster (IPC) (continued)

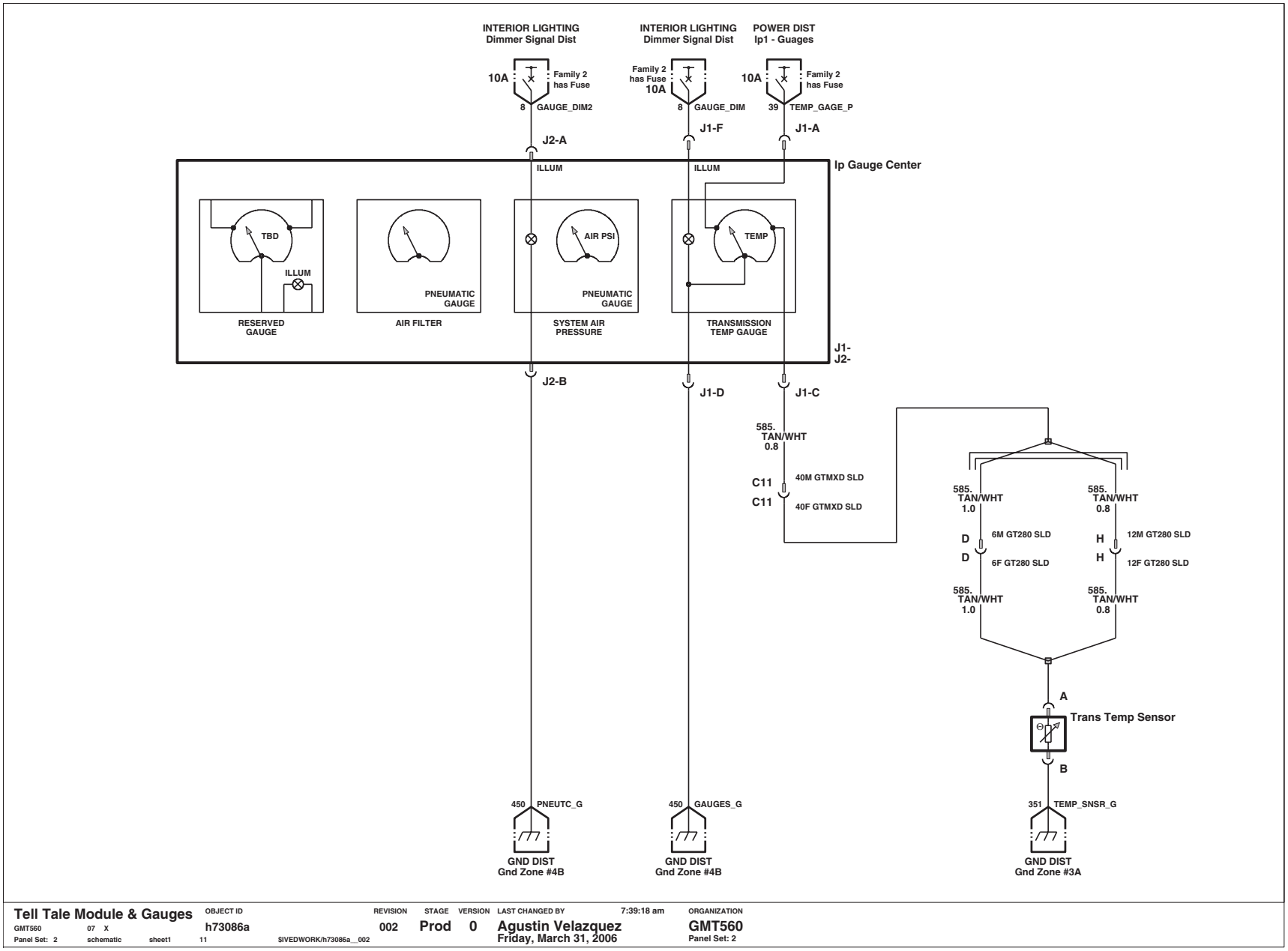


Instrument Panel Cluster	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73081a	001	MVB	0	Agustin Velazquez	7:39:05 am	GMT560
Panel Set: 2 schematic sheet1 8	$IVEDWORK/h73081a__001				Friday, March 31, 2006		Panel Set: 2

Displays - Tell Tale Module & Gauges

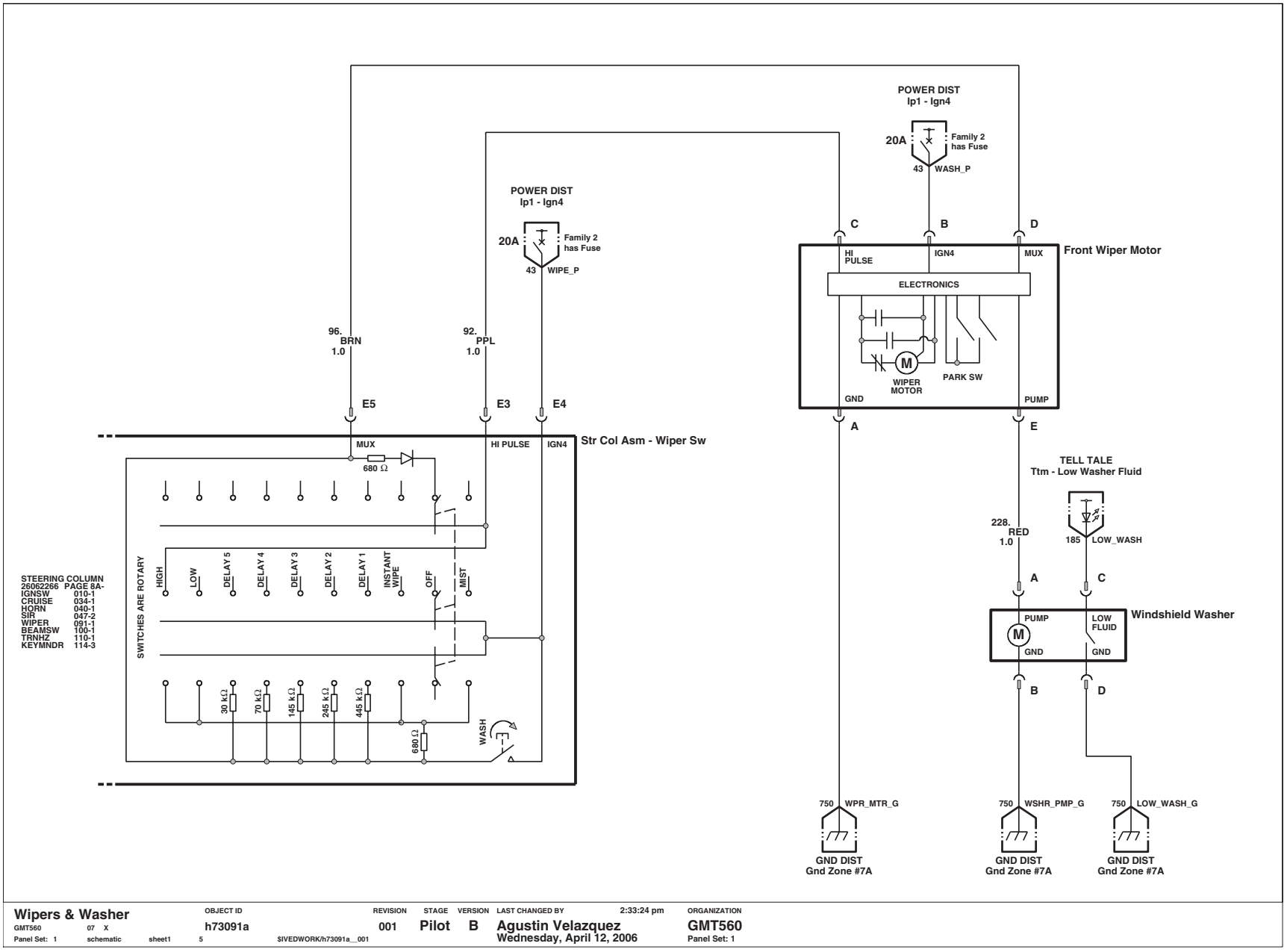


Displays - Tell Tale Module & Gauges



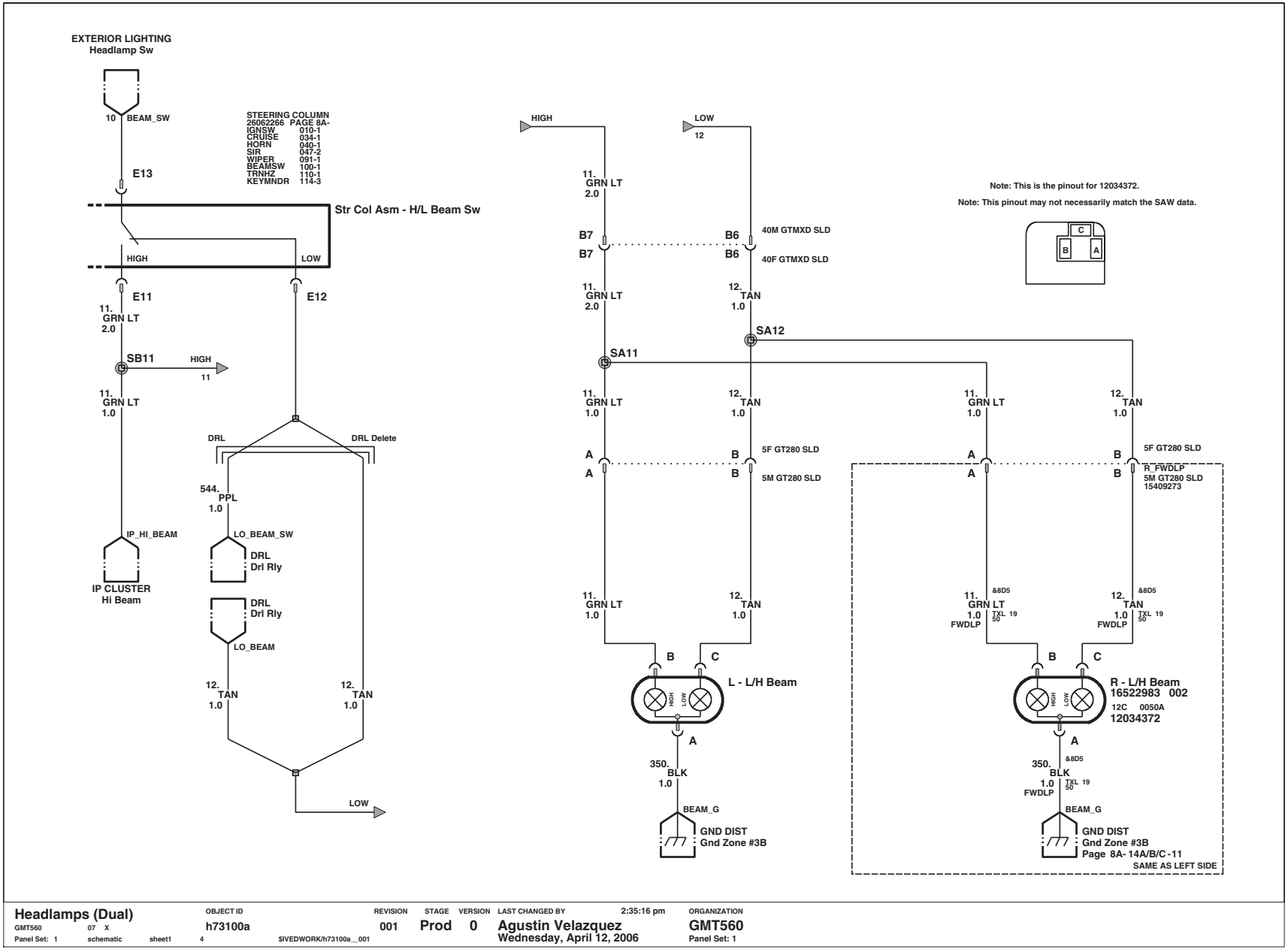
Tell Tale Module & Gauges	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:39:18 am	ORGANIZATION
GMT560 07 X	h73086a	002	Prod	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 11	$IVEDWORK/h73086a__002				Friday, March 31, 2006		Panel Set: 2

Windshield Wiper/Washer



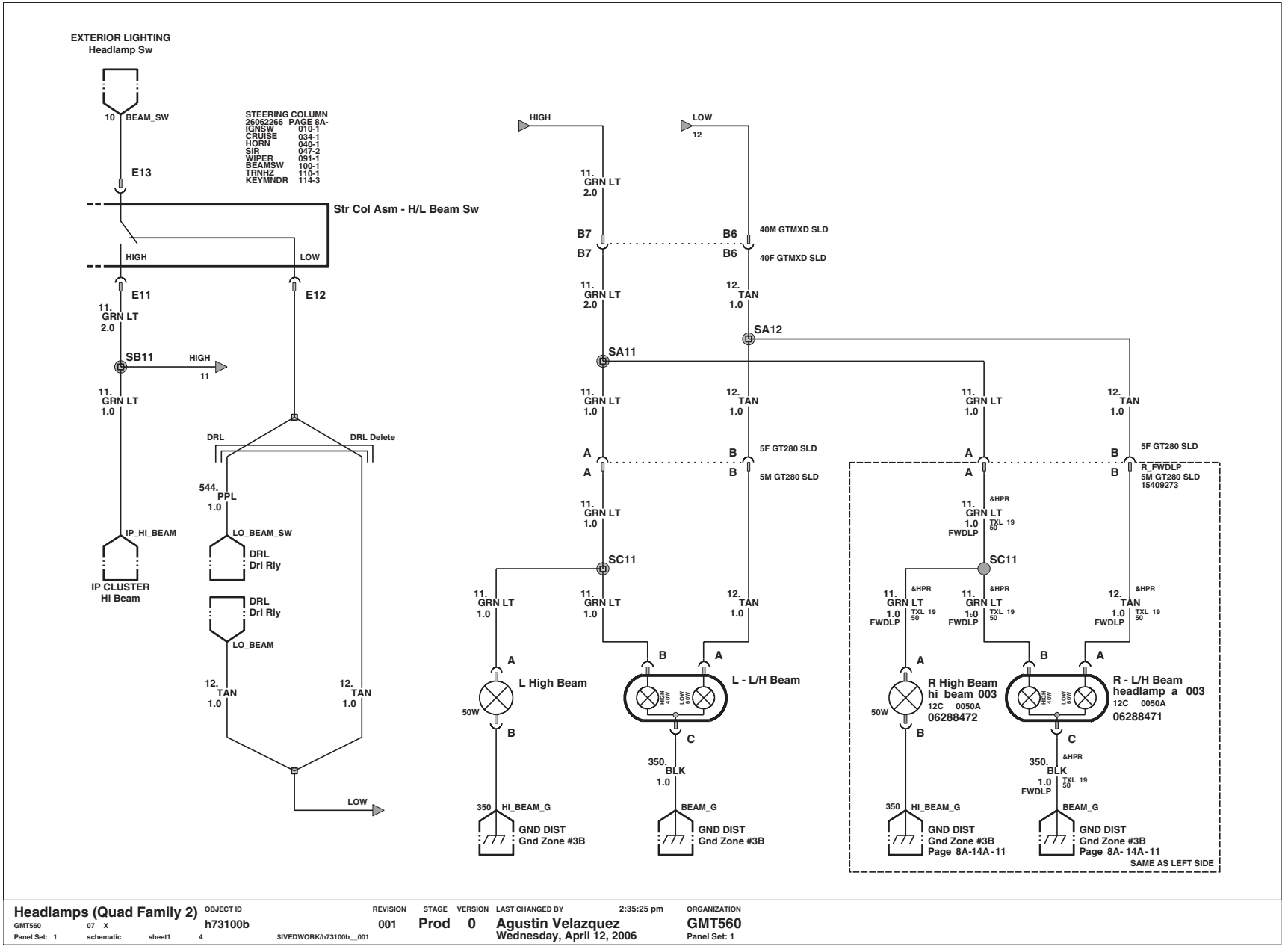
Wipers & Washer	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	2:33:24 pm	ORGANIZATION
GMT560 07 X	h73091a	001	Pilot	B	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 5	$IVEDWORK/h73091a__001				Wednesday, April 12, 2006		Panel Set: 1

Headlamps – Dual



Headlamps (Dual)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73100a	001	Prod	0	Agustin Velazquez	2:35:16 pm	GMT560
Panel Set: 1 schematic sheet1 4	SIVEDWORK/h73100a__001				Wednesday, April 12, 2006		Panel Set: 1

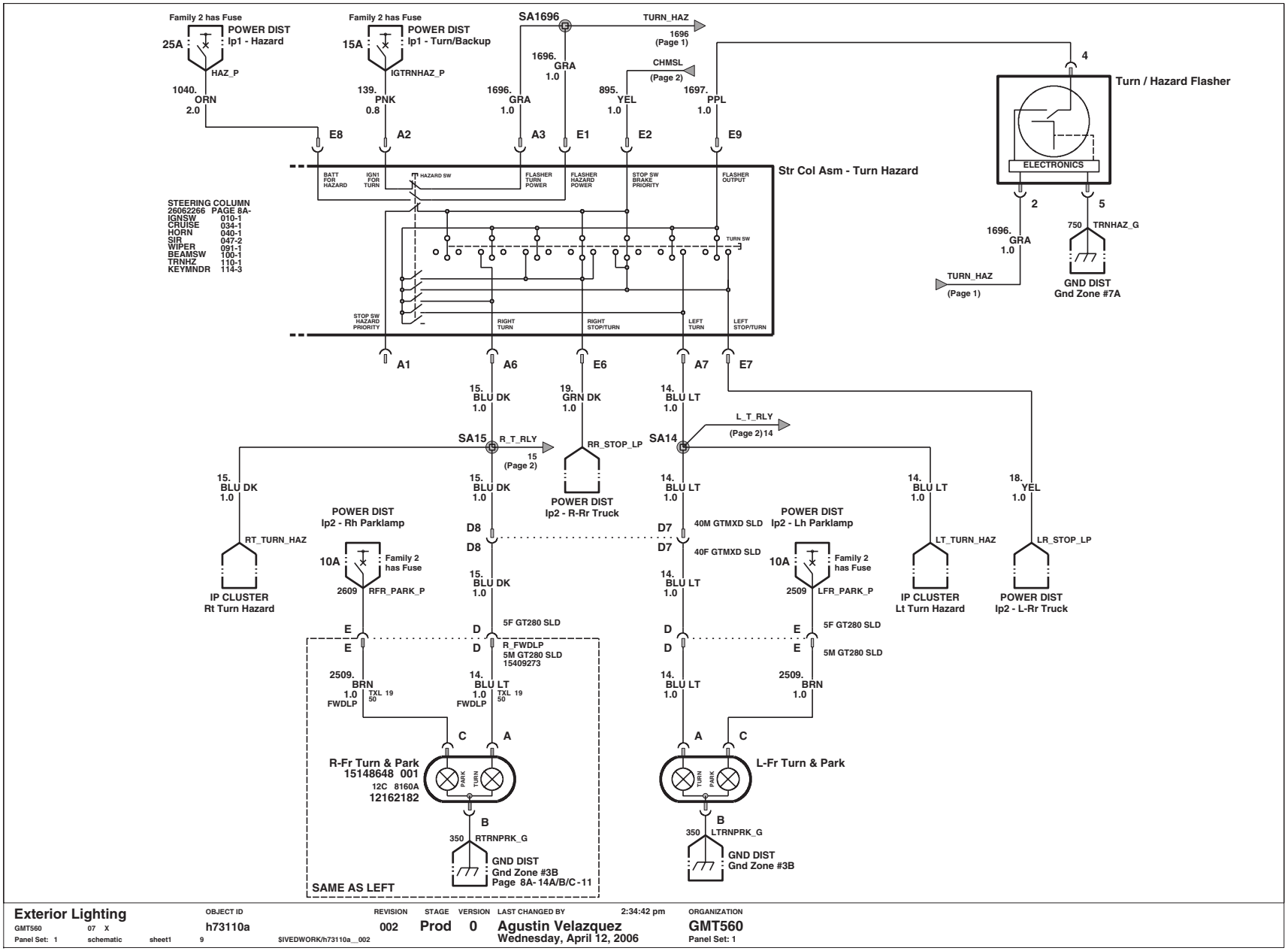
Headlamps – Quad (Family 2)



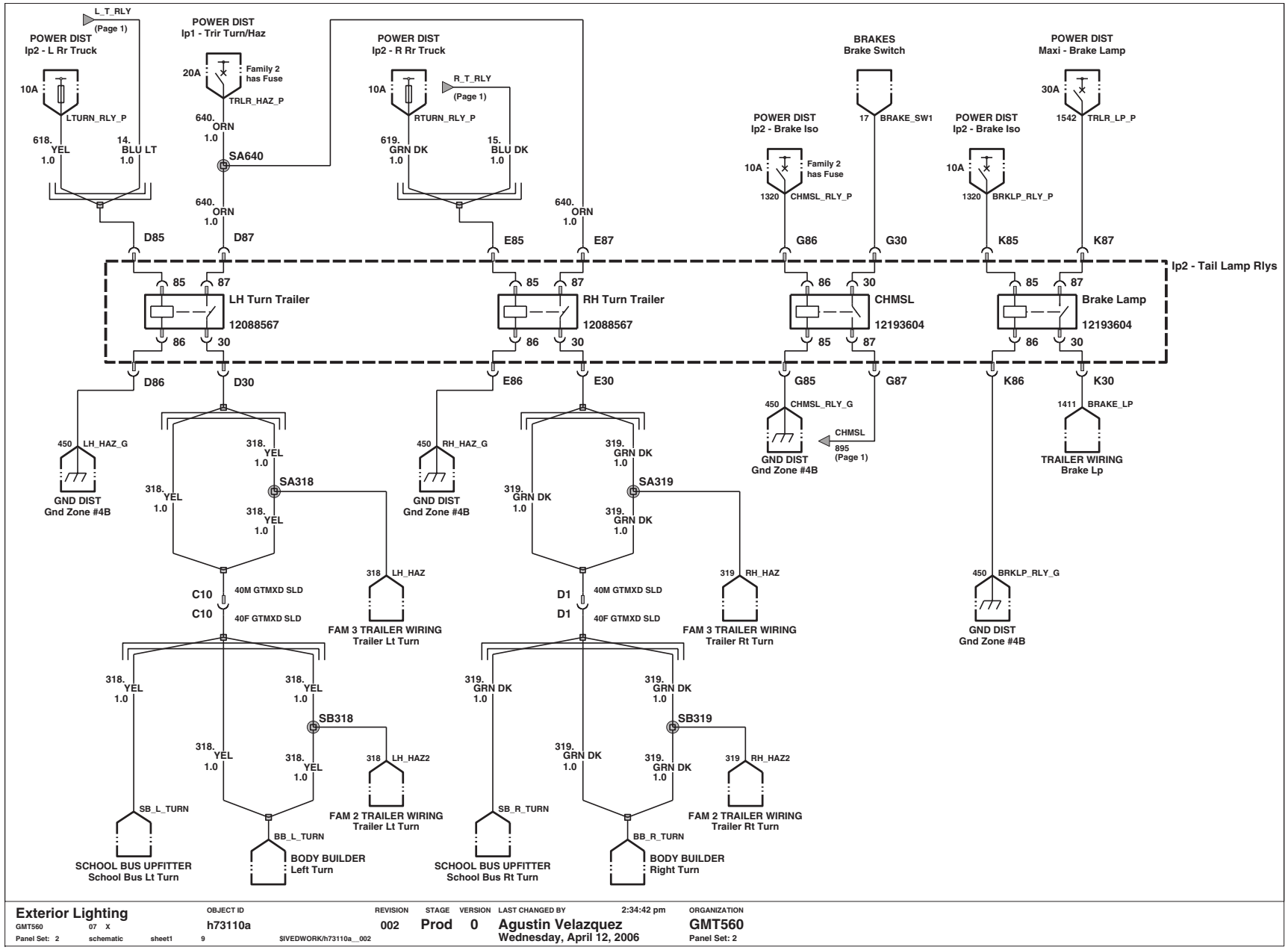
Headlamps (Quad Family 2) OBJECT ID h73100b | REVISION 001 | STAGE Prod | VERSION 0 | LAST CHANGED BY Agustin Velazquez | 2:35:25 pm Wednesday, April 12, 2006 | ORGANIZATION GMT560

GMT560 07 X | Panel Set: 1 schematic sheet1 4 | $IVEDWORK/h73100b__001 | Panel Set: 1

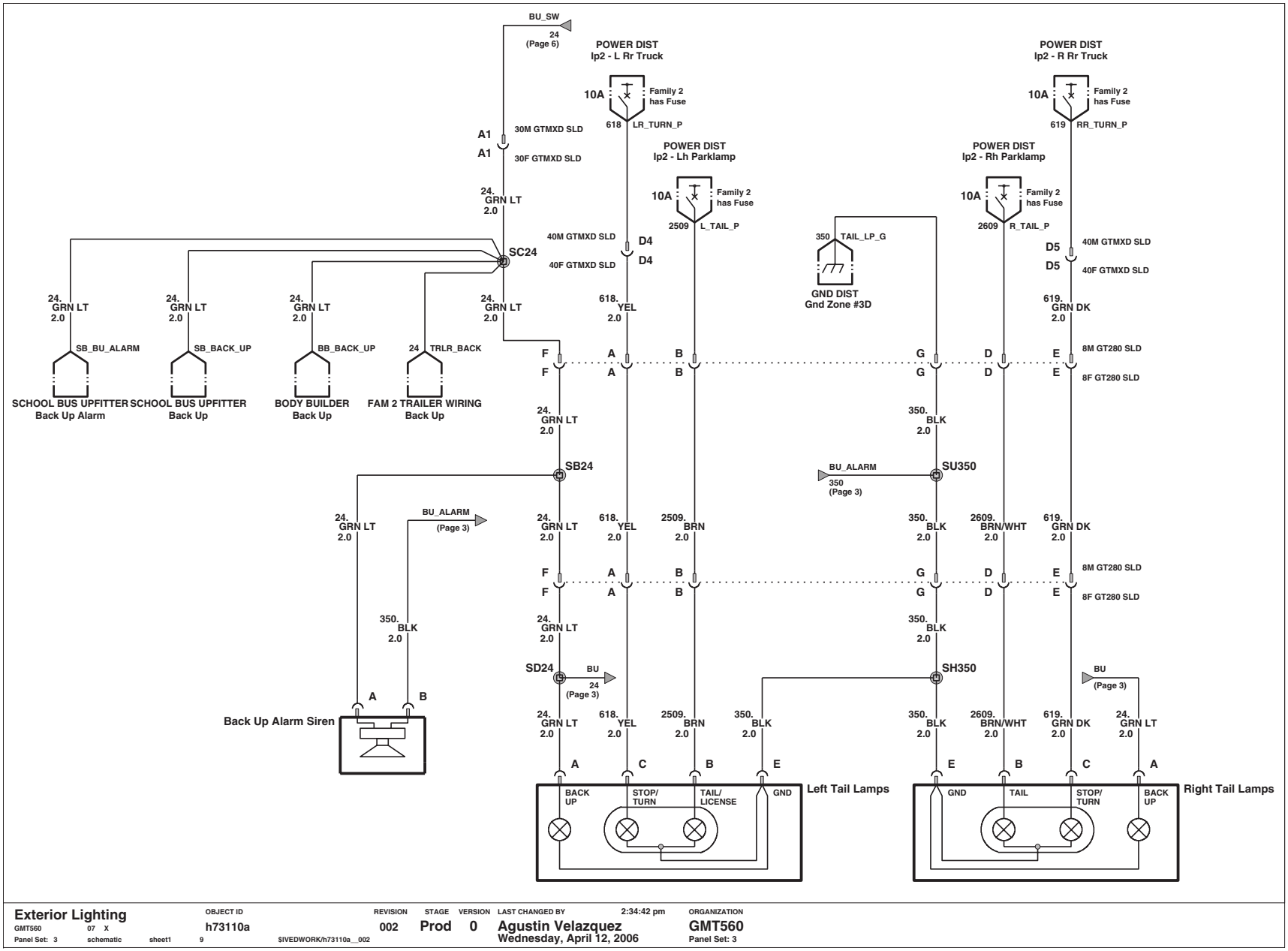
Daytime Running Lamps (DRL)



Exterior Lighting

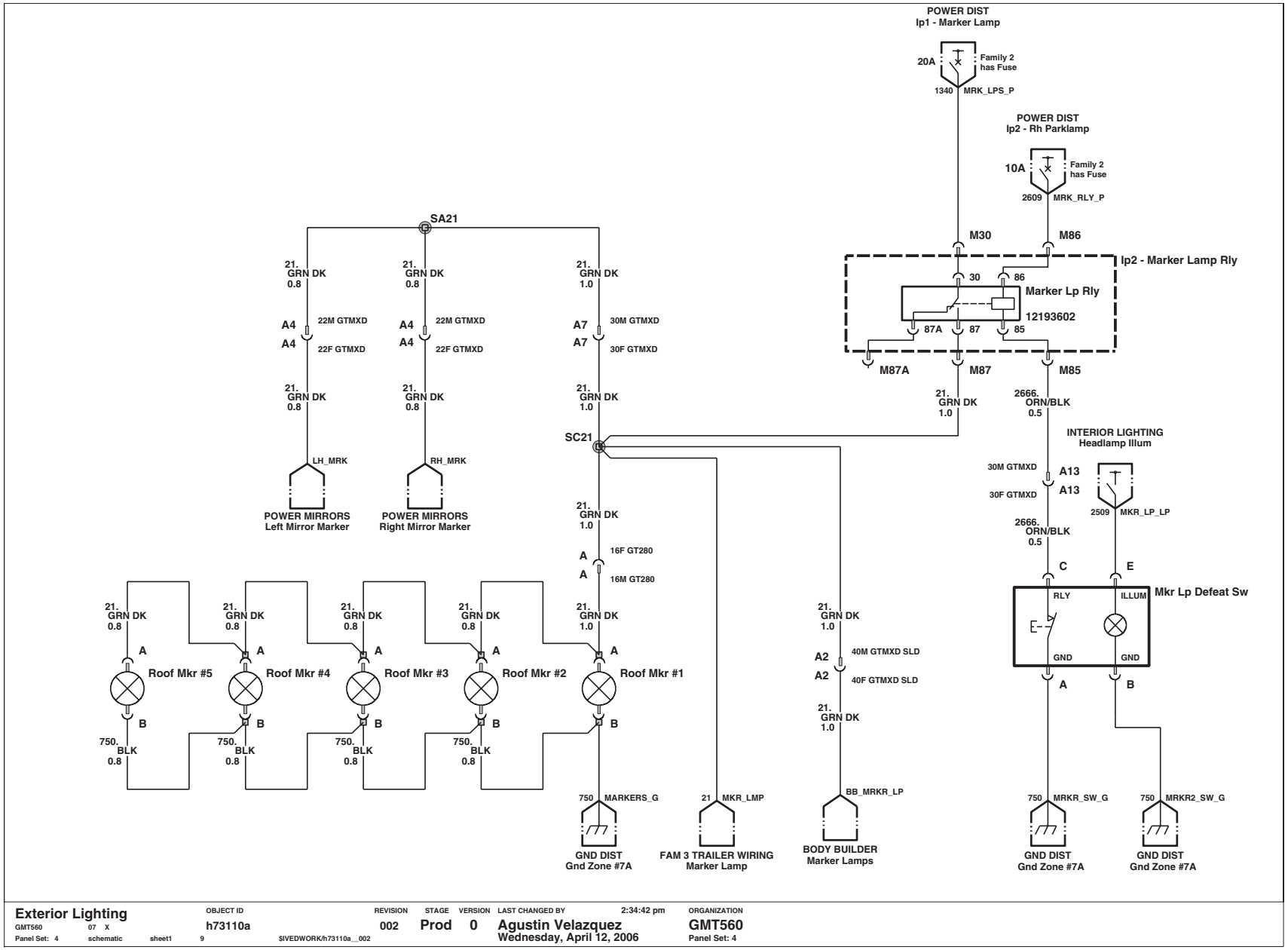


Exterior Lighting (continued)



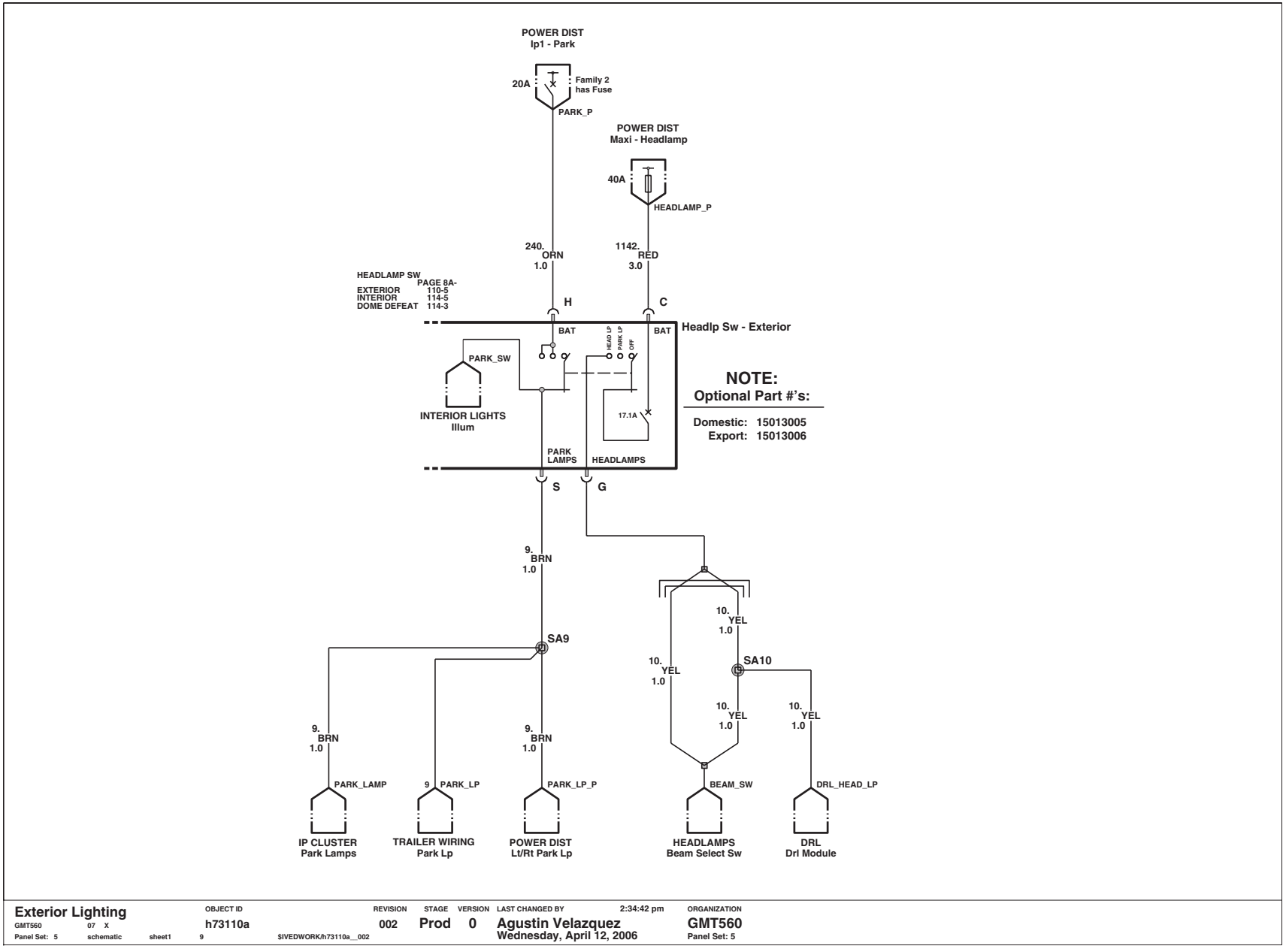
Exterior Lighting	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73110a	002	Prod	0	Agustin Velazquez	2:34:42 pm	GMT560
Panel Set: 3 schematic sheet1 9	$IVEDWORK/h73110a__002				Wednesday, April 12, 2006		Panel Set: 3

Exterior Lighting (continued)



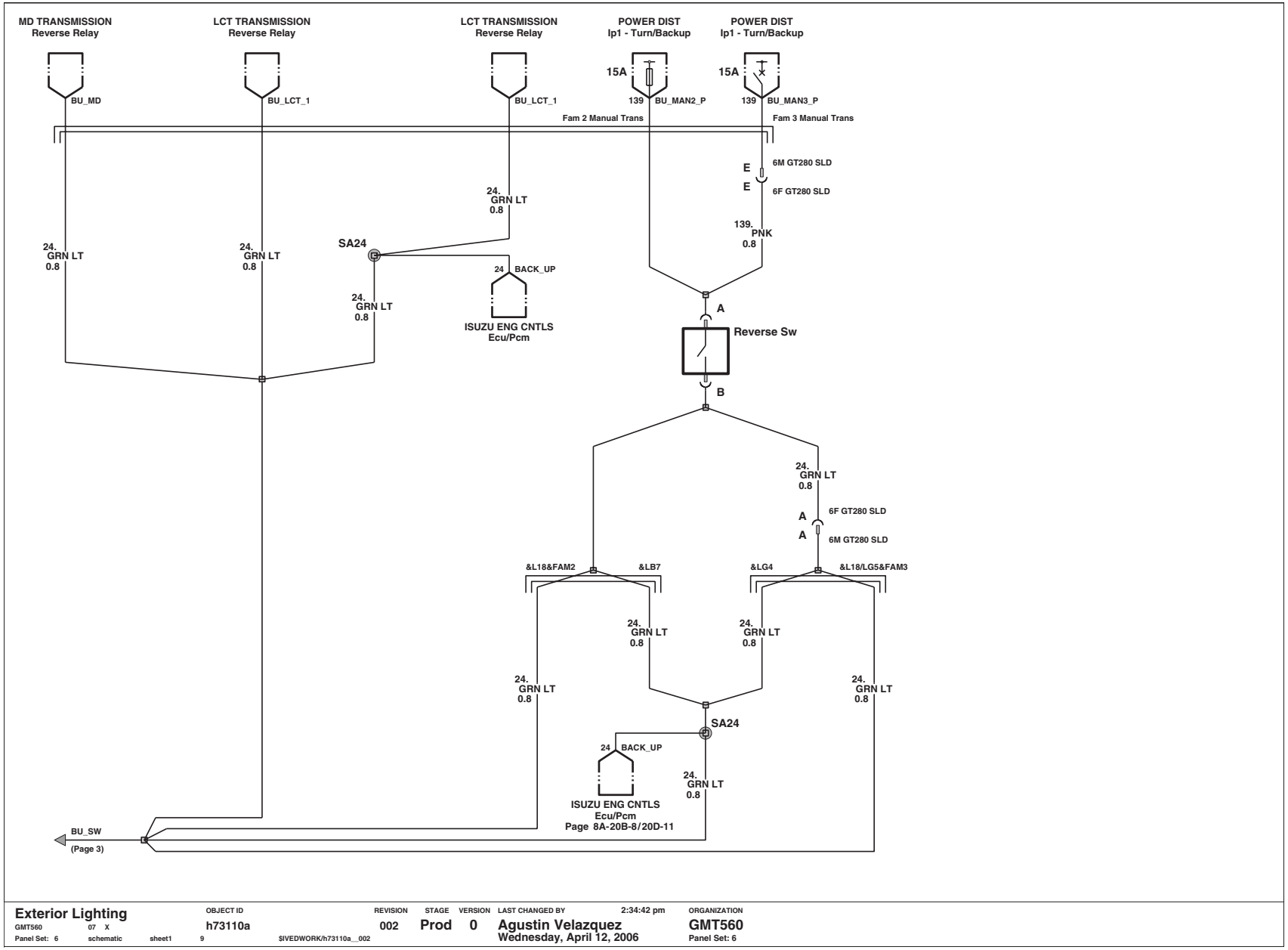
Exterior Lighting	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73110a	002	Prod	0	Agustin Velazquez	2:34:42 pm	GMT560
Panel Set: 4 schematic sheet1 9	$IVEDWORK/h73110a__002				Wednesday, April 12, 2006		Panel Set: 4

Exterior Lighting (continued)



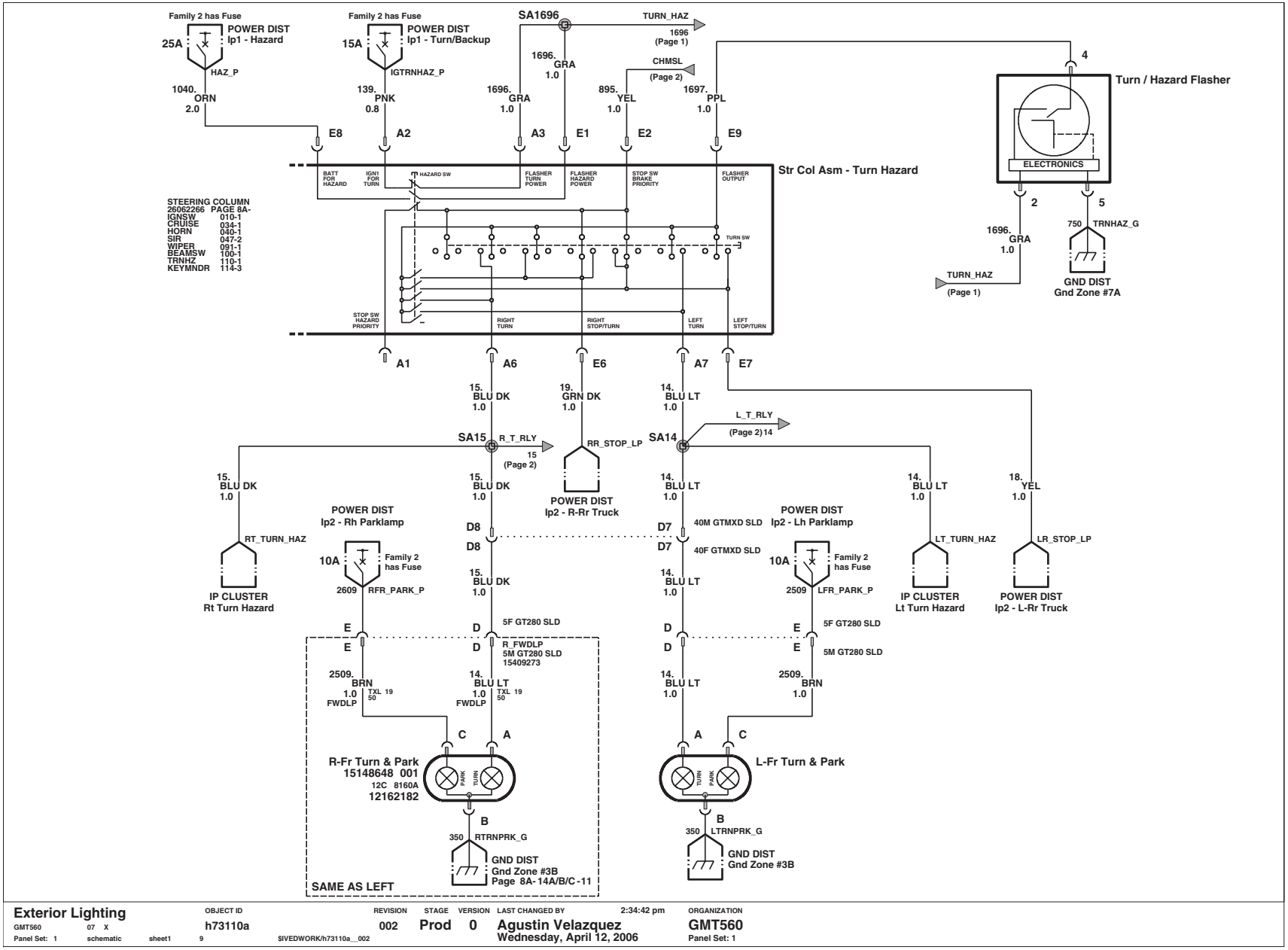
Exterior Lighting	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73110a	002	Prod	0	Agustin Velazquez	2:34:42 pm	GMT560
Panel Set: 5 schematic sheet1 9	$IVEDWORK/h73110a__002				Wednesday, April 12, 2006		Panel Set: 5

Exterior Lighting (continued)

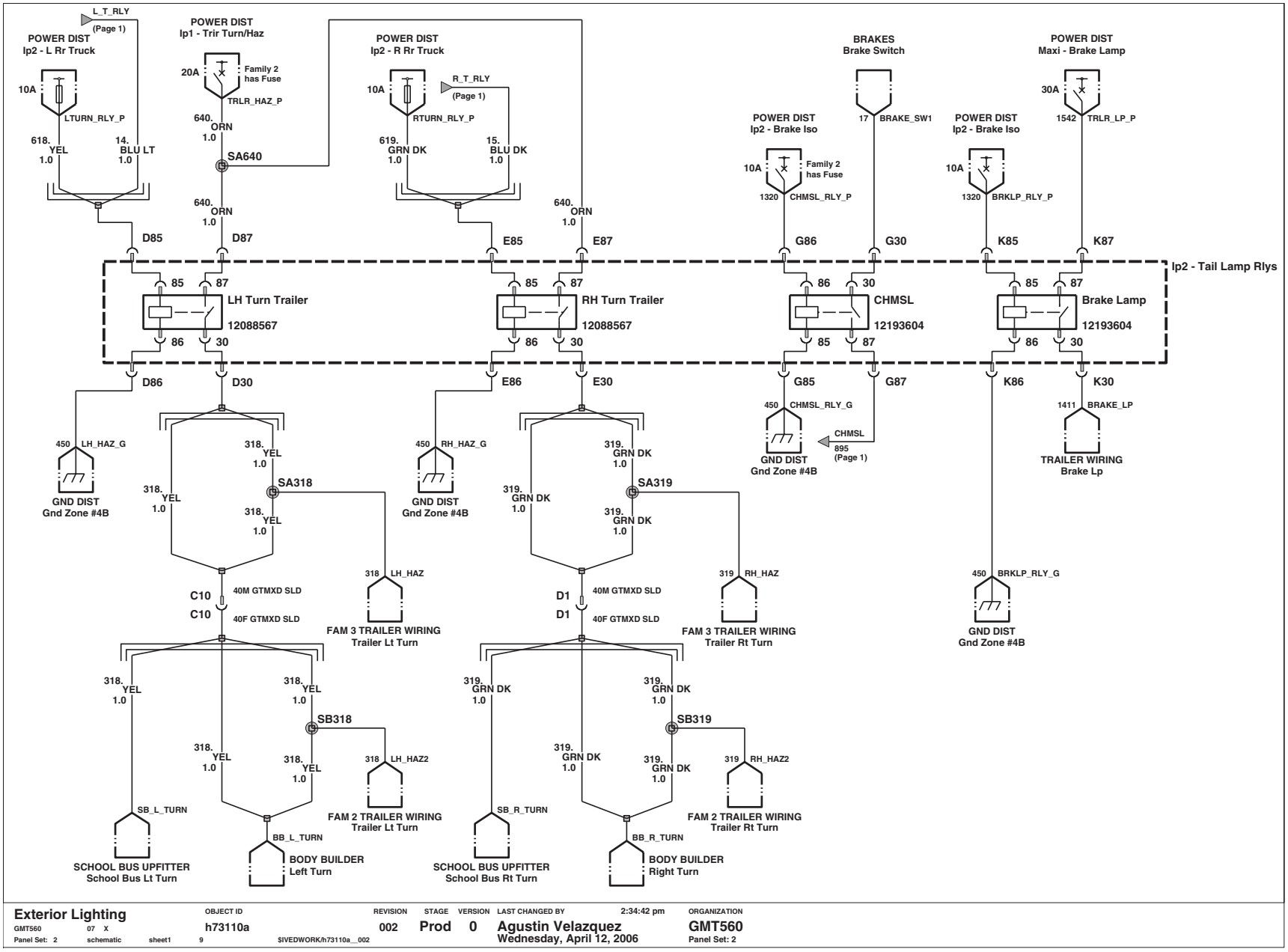


Exterior Lighting	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73110a	002	Prod	0	Agustin Velazquez	2:34:42 pm	GMT560
Panel Set: 6 schematic sheet1 9	$IVEDWORK/h73110a__002				Wednesday, April 12, 2006		Panel Set: 6

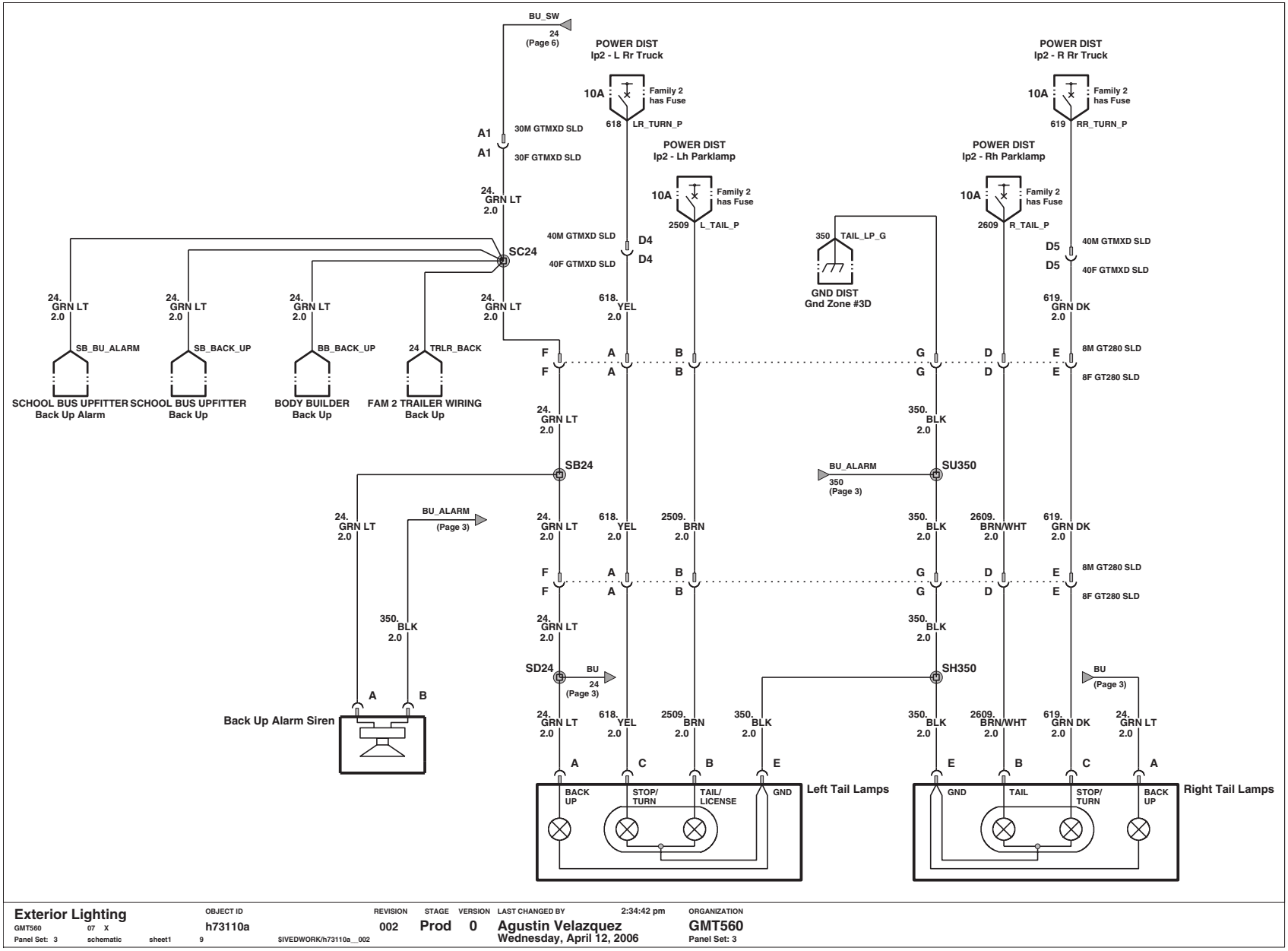
Exterior Lighting (continued)



Exterior Lighting (continued)

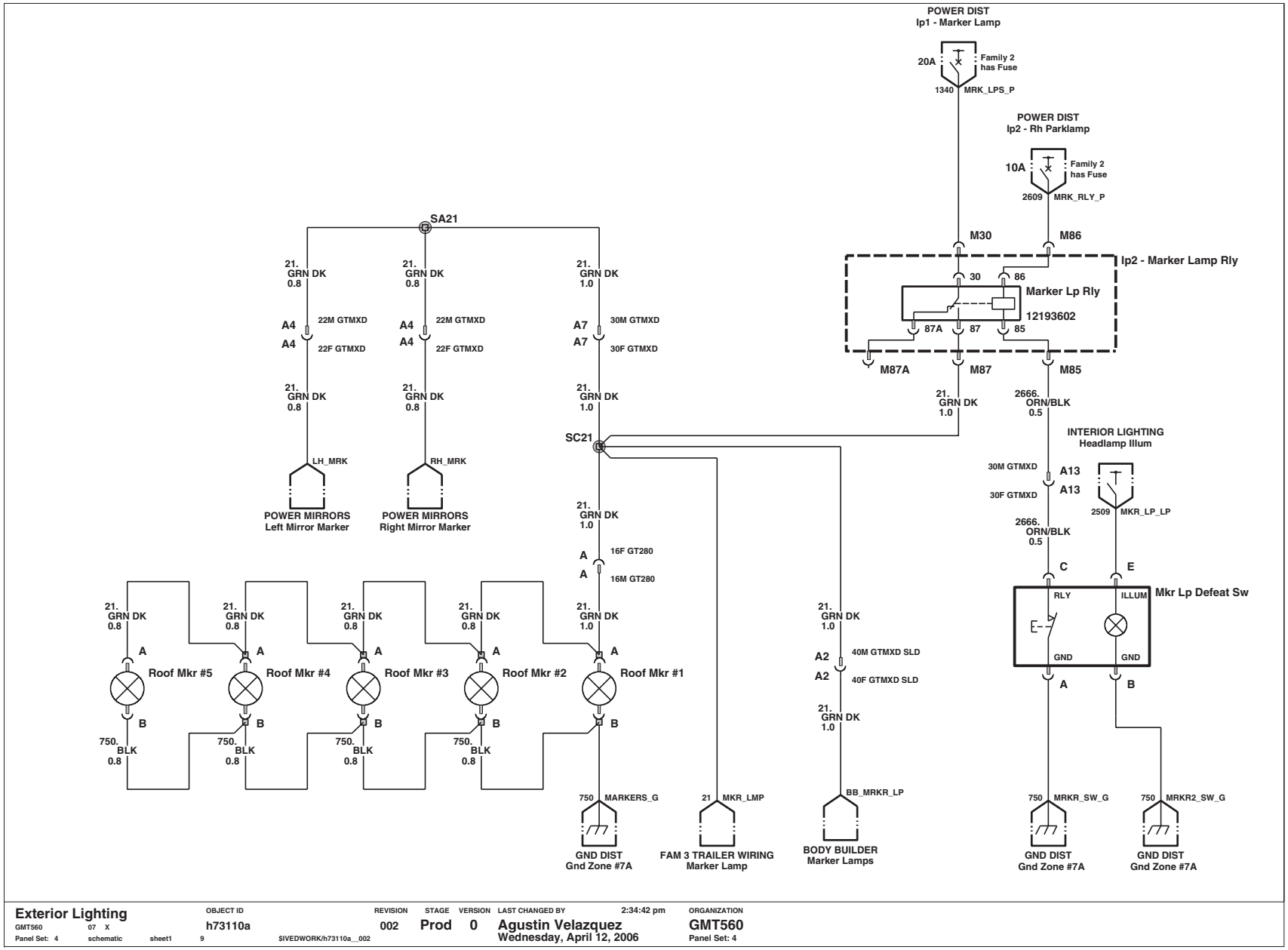


Exterior Lighting (continued)



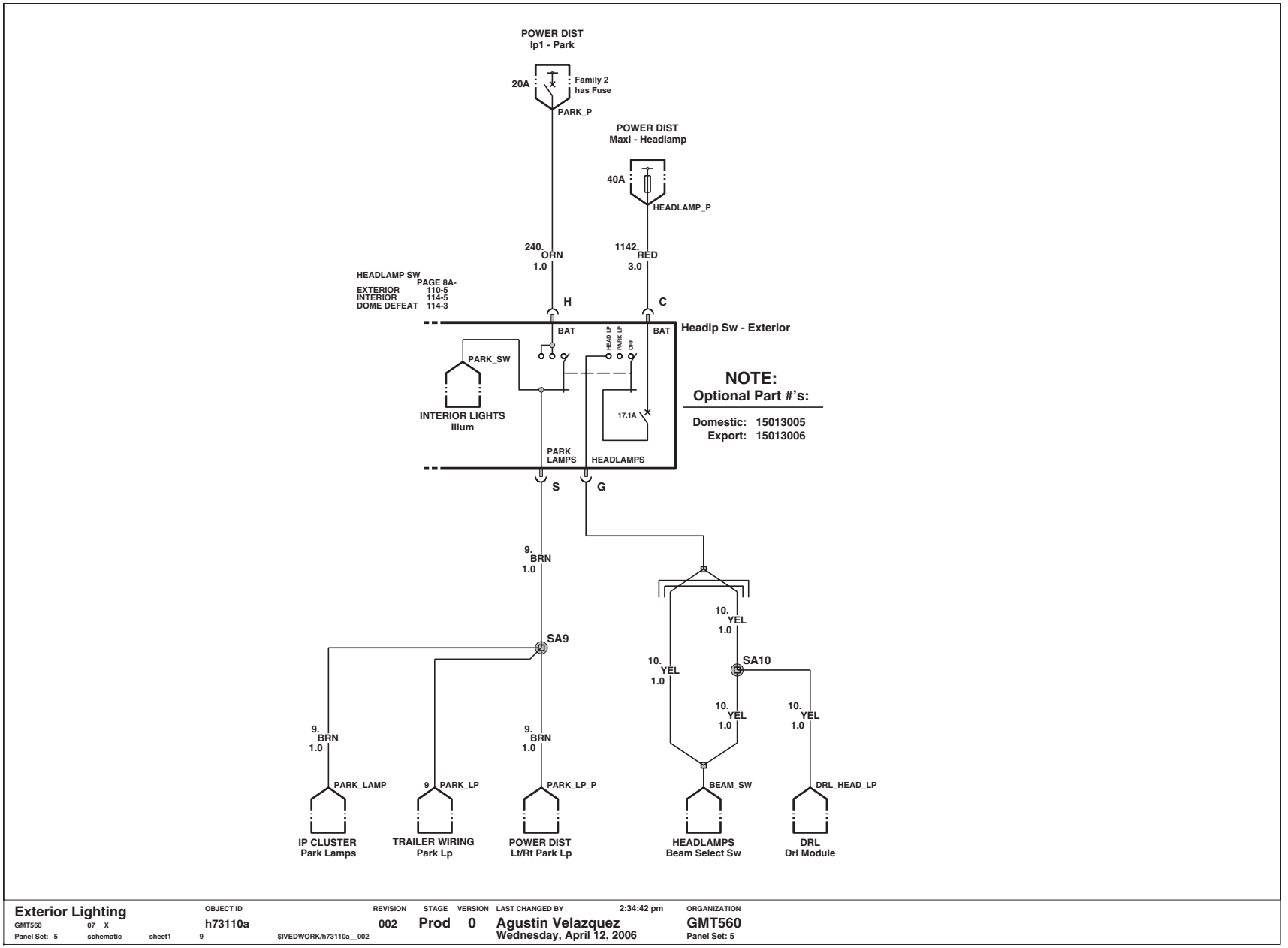
Exterior Lighting	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73110a	002	Prod	0	Agustin Velazquez	2:34:42 pm	GMT560
Panel Set: 3 schematic sheet1 9	$IVEDWORK/h73110a__002				Wednesday, April 12, 2006		Panel Set: 3

Exterior Lighting (continued)



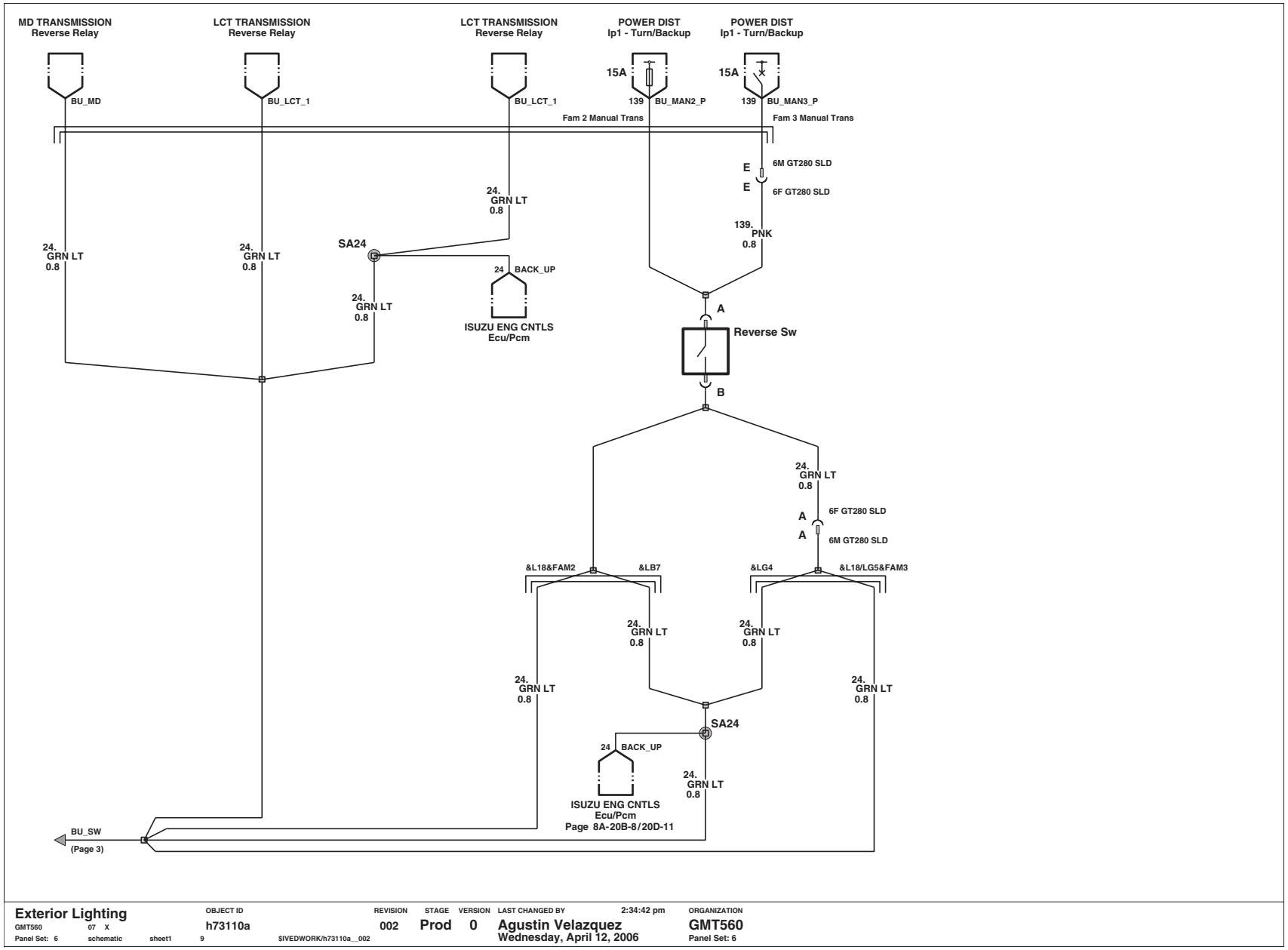
Exterior Lighting	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73110a	002	Prod	0	Agustin Velazquez	2:34:42 pm	GMT560
Panel Set: 4 schematic sheet1 9	$IVEDWORK/h73110a__002				Wednesday, April 12, 2006		Panel Set: 4

Exterior Lighting (continued)



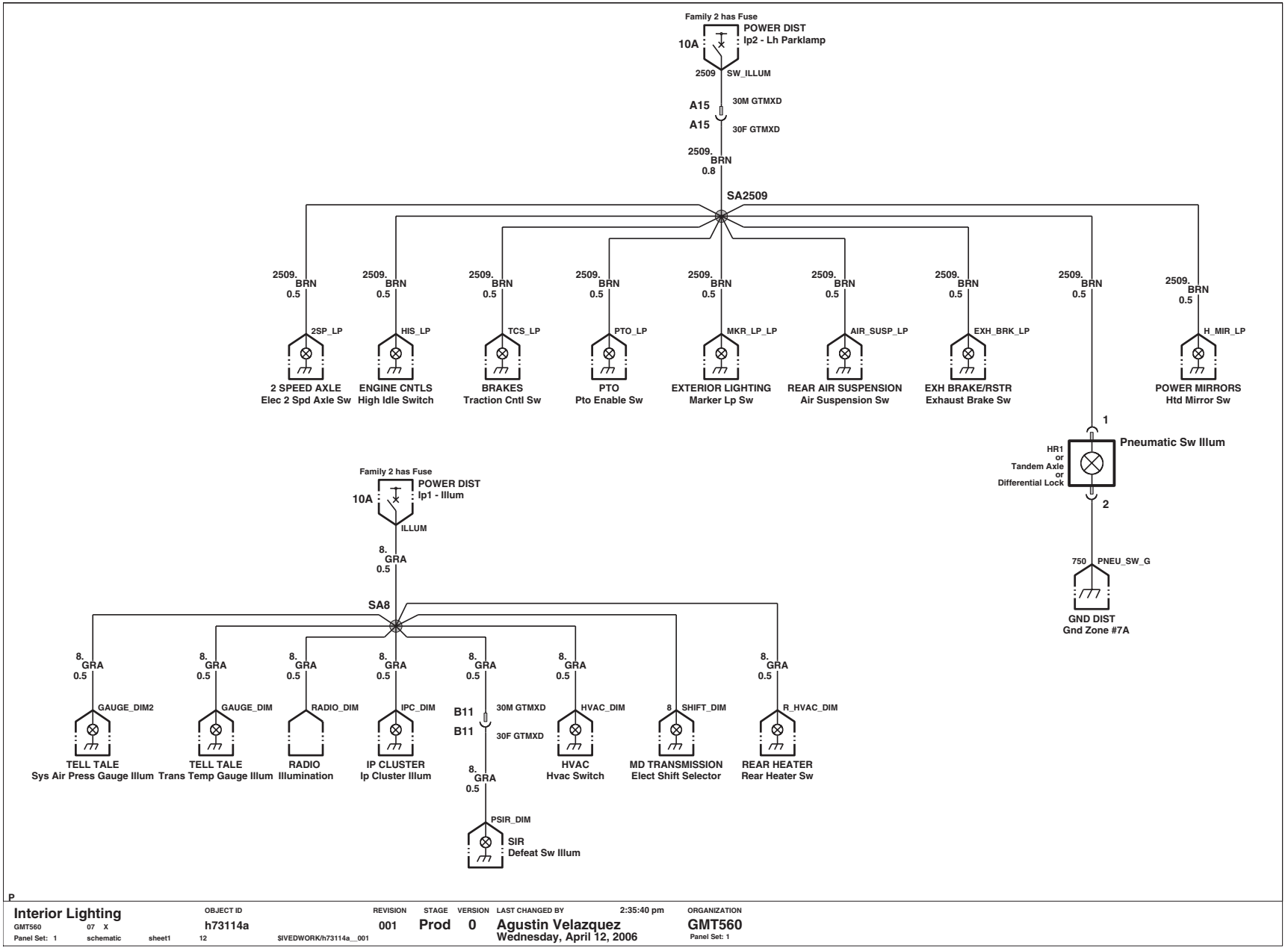
Exterior Lighting	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73110a	002	Prod	0	Agustin Velazquez	2:34:42 pm	GMT560
Panel Set: 5 schematic sheet1 9	$IVEDWORK/h73110a__002				Wednesday, April 12, 2006		Panel Set: 5

Exterior Lighting (continued)

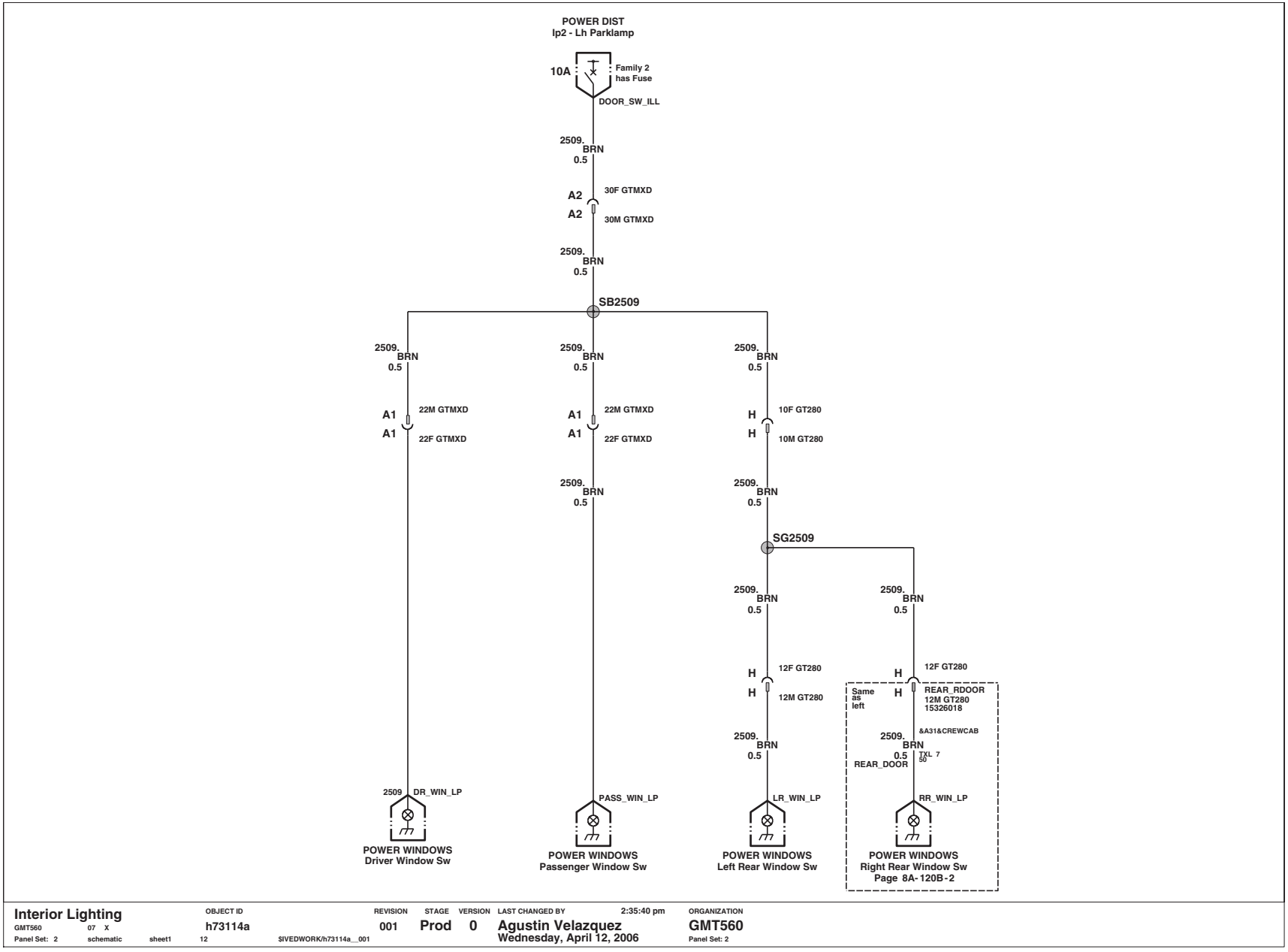


Exterior Lighting	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73110a	002	Prod	0	Agustin Velazquez	2:34:42 pm	GMT560
Panel Set: 6 schematic sheet1 9	$IVEDWORK/h73110a__002				Wednesday, April 12, 2006		Panel Set: 6

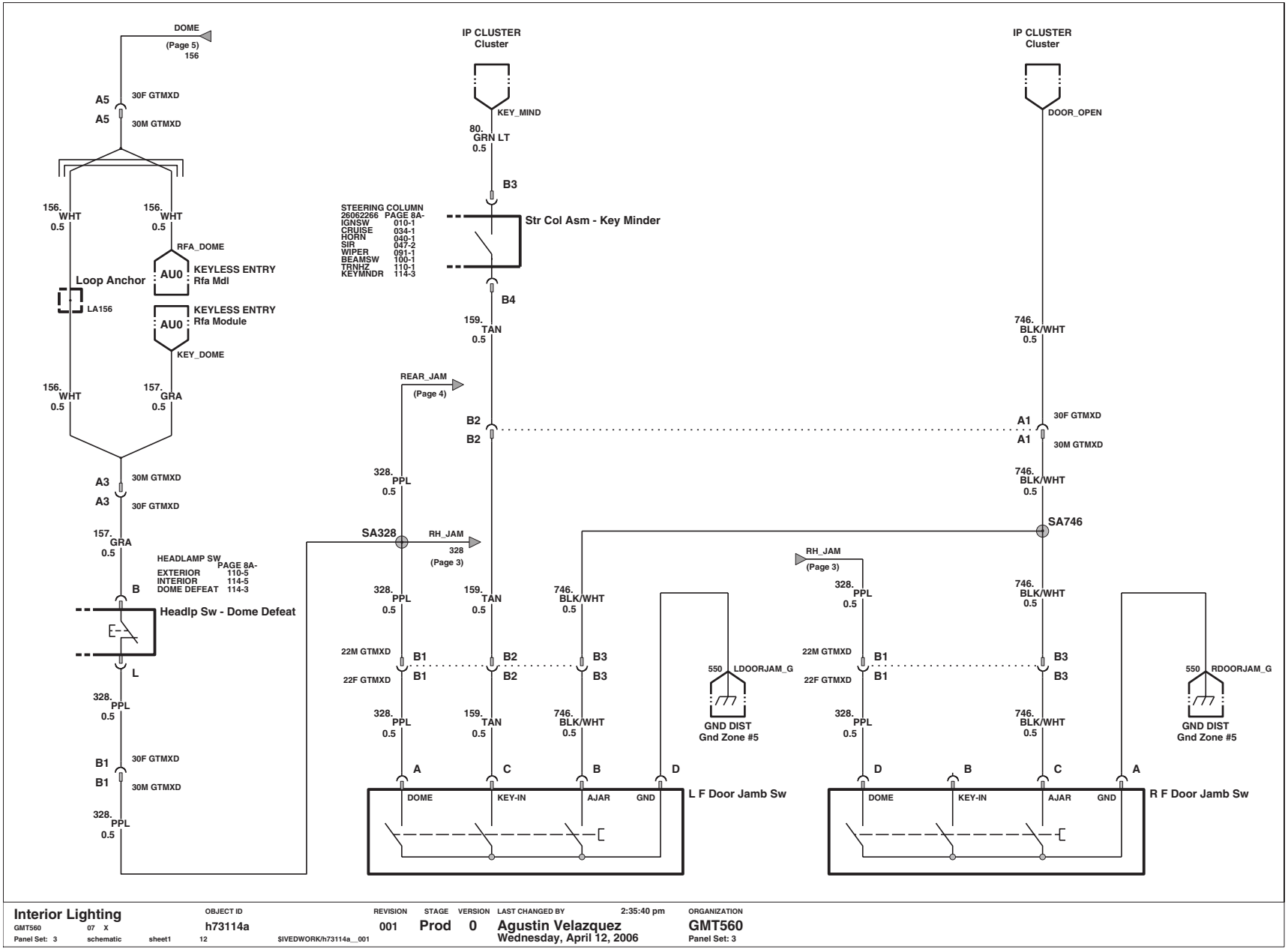
Interior Lighting



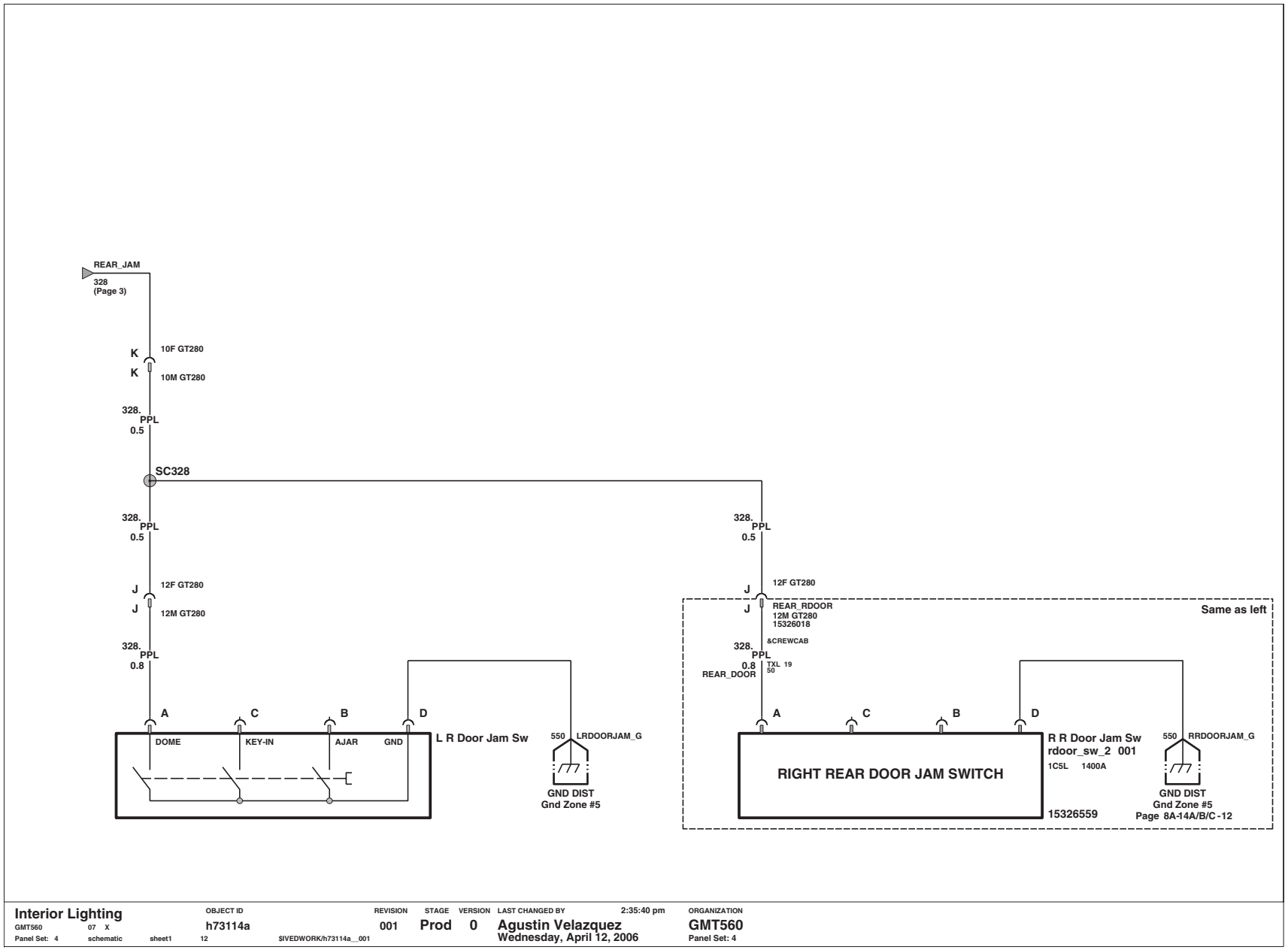
Interior Lighting (continued)



Interior Lighting (continued)

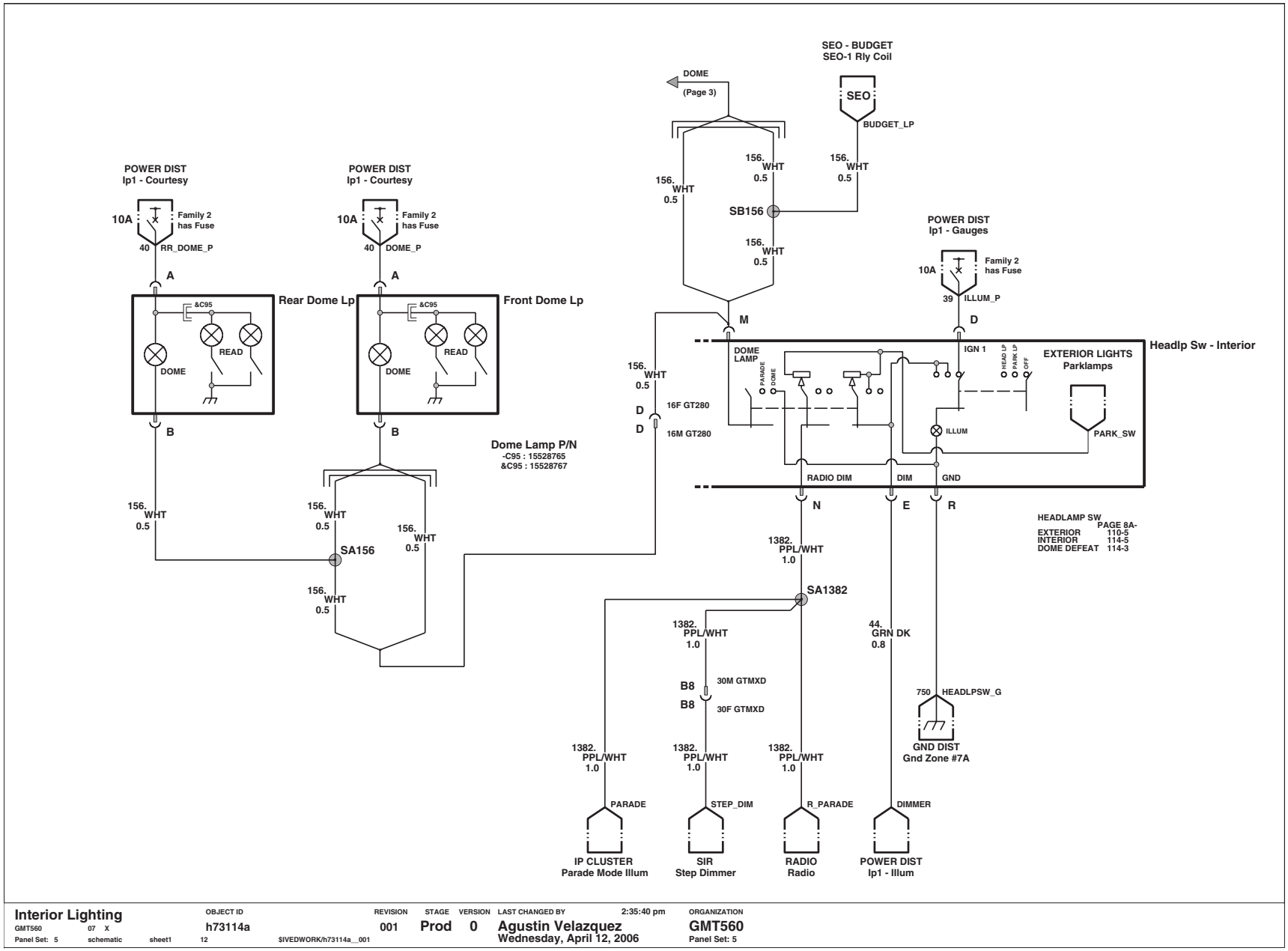


Interior Lighting (continued)



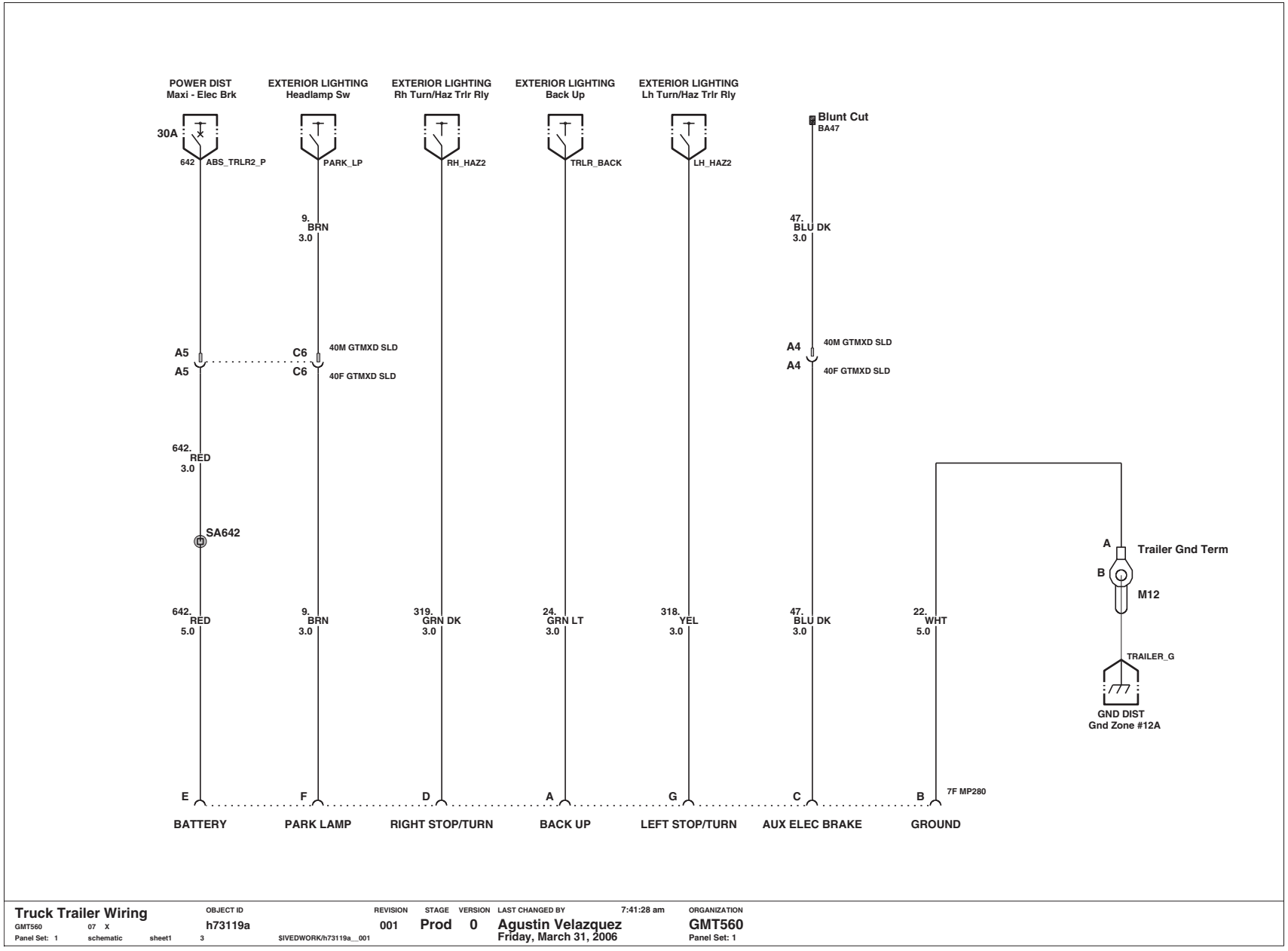
Interior Lighting	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73114a	001	Prod	0	Agustin Velazquez	2:35:40 pm	GMT560
Panel Set: 4 schematic sheet1 12	$IVEDWORK/h73114a__001				Wednesday, April 12, 2006		Panel Set: 4

Interior Lighting (continued)



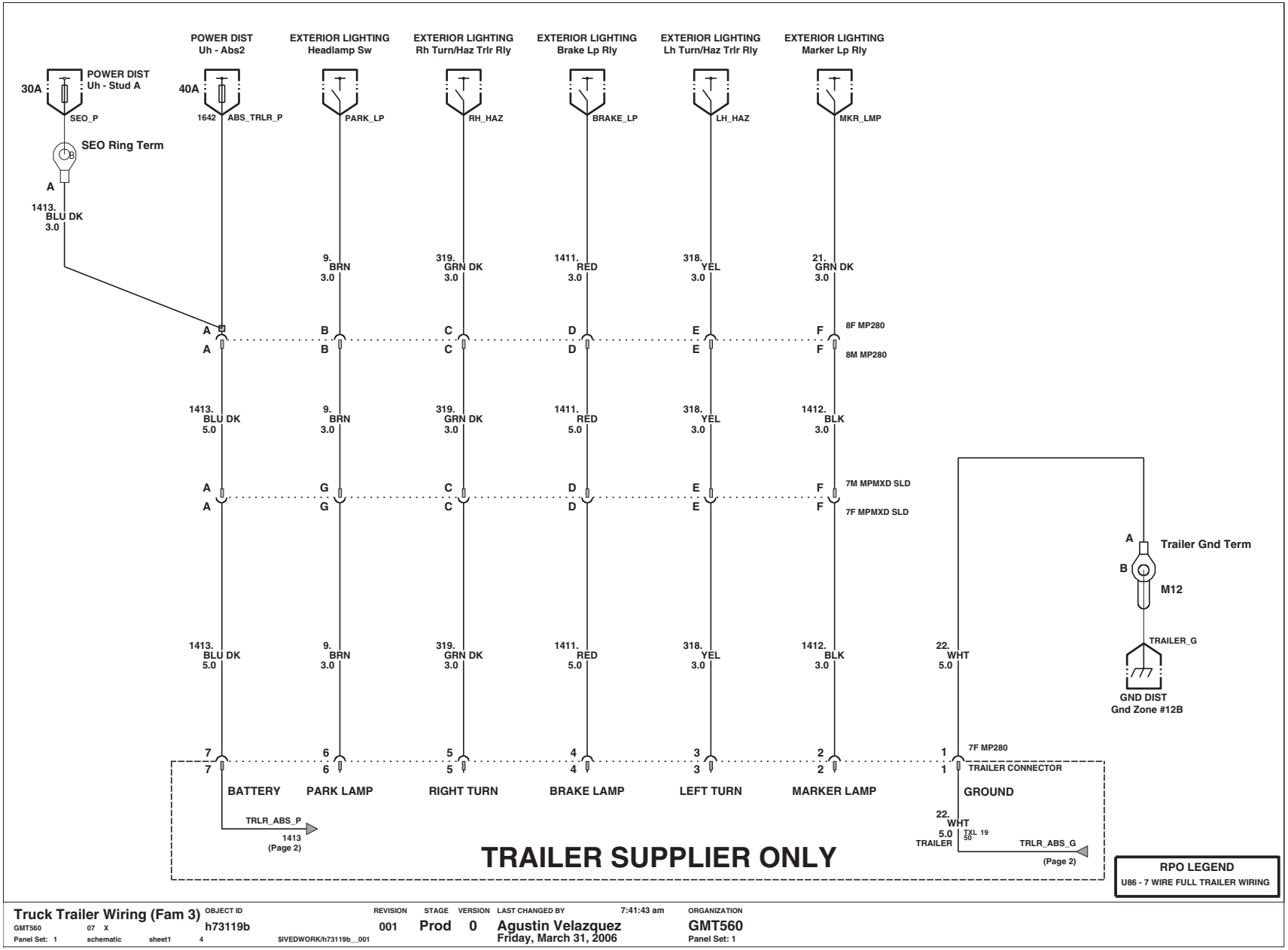
Interior Lighting	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73114a	001	Prod	0	Agustin Velazquez	2:35:40 pm	GMT560
Panel Set: 5 schematic sheet1 12	$IVEDWORK/h73114a__001				Wednesday, April 12, 2006		Panel Set: 5

Truck/Trailer Wiring (Family 2)

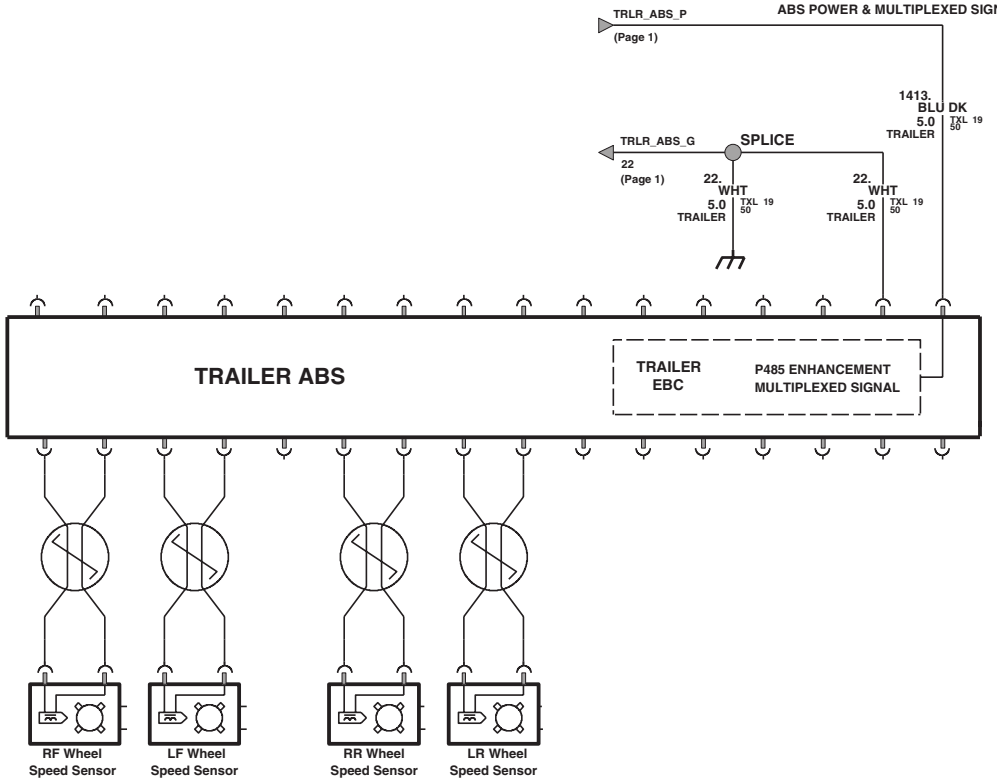


Truck Trailer Wiring	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:41:28 am	ORGANIZATION
GMT560 07 X	h73119a	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 3	$IVEDWORK/h73119a__001				Friday, March 31, 2006		Panel Set: 1

Truck/Trailer Wiring (Family 3)



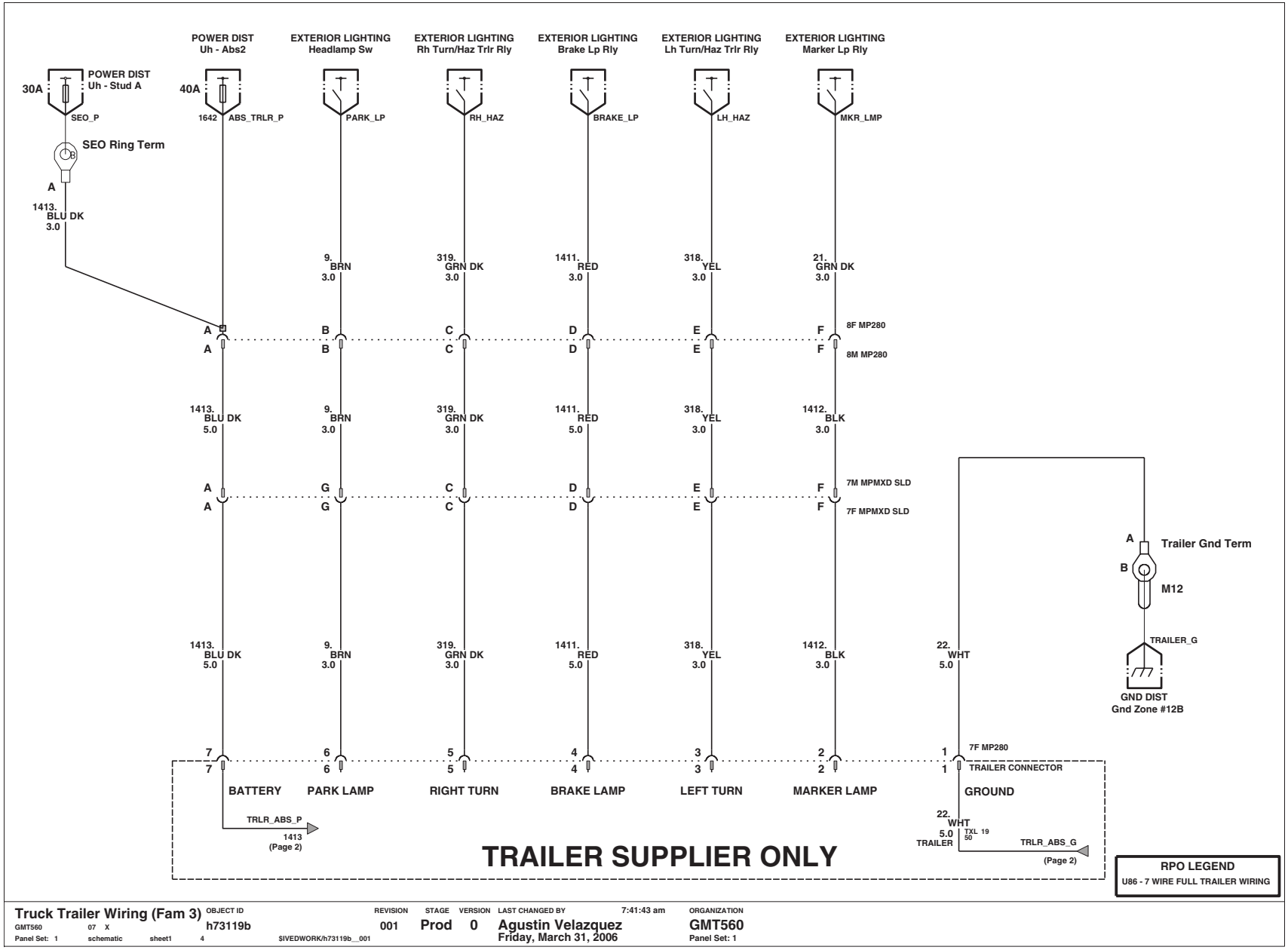
Truck/Trailer Wiring (Family 3) (continued)



TRAILER SUPPLIER ONLY

Truck Trailer Wiring (Fam 3)	OBJECT ID		REVISION	STAGE	VERSION	LAST CHANGED BY	7:41:43 am	ORGANIZATION
GMT560 07 X	h73119b		001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 4	$IVEDWORK/h73119b__001					Friday, March 31, 2006		Panel Set: 2

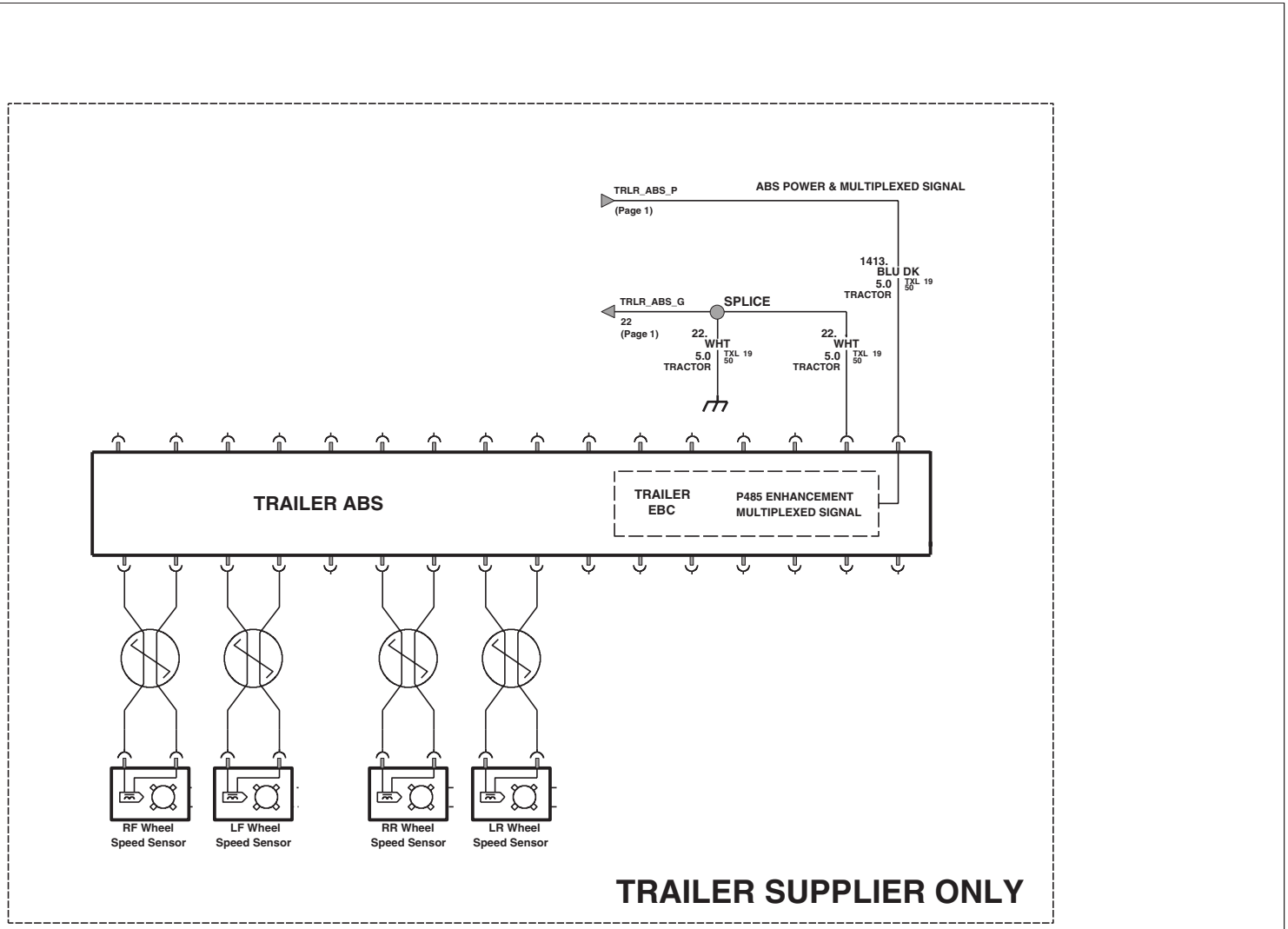
Tractor Wiring (Family 3)



Truck Trailer Wiring (Fam 3) OBJECT ID h73119b REVISION 001 STAGE Prod VERSION 0 LAST CHANGED BY Agustin Velazquez 7:41:43 am Friday, March 31, 2006 ORGANIZATION GMT560

GMT560 07 X Panel Set: 1 schematic sheet1 4 SIVEDWORK/h73119b__001 Panel Set: 1

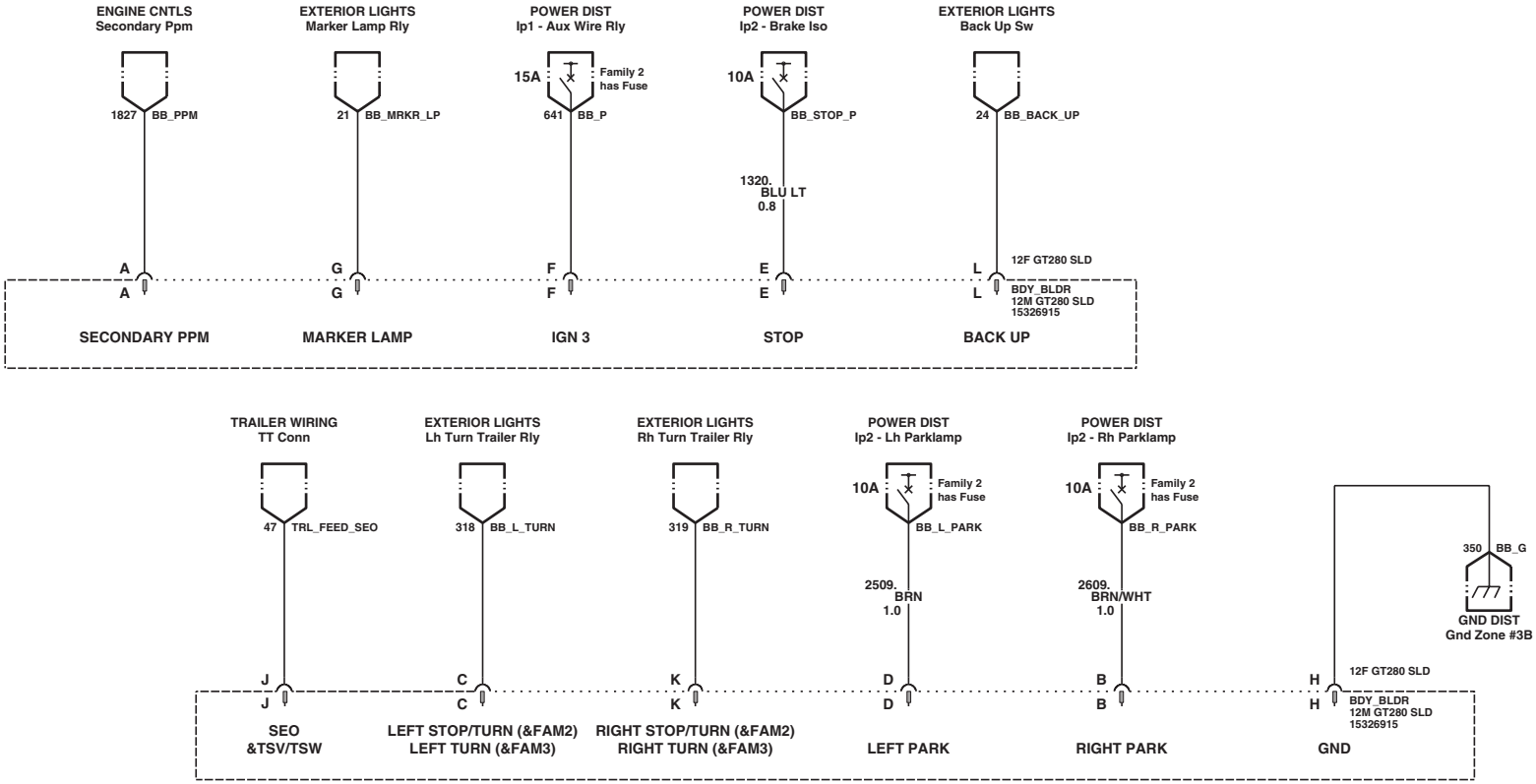
Tractor Wiring (Family 3)



Tractor Wrg (Fam 3) | OBJECT ID h73119c | REVISION 001 | STAGE Pilot | VERSION B | LAST CHANGED BY Agustin Velazquez | 7:42:04 am Friday, March 31, 2006 | ORGANIZATION GMT560 Panel Set: 2

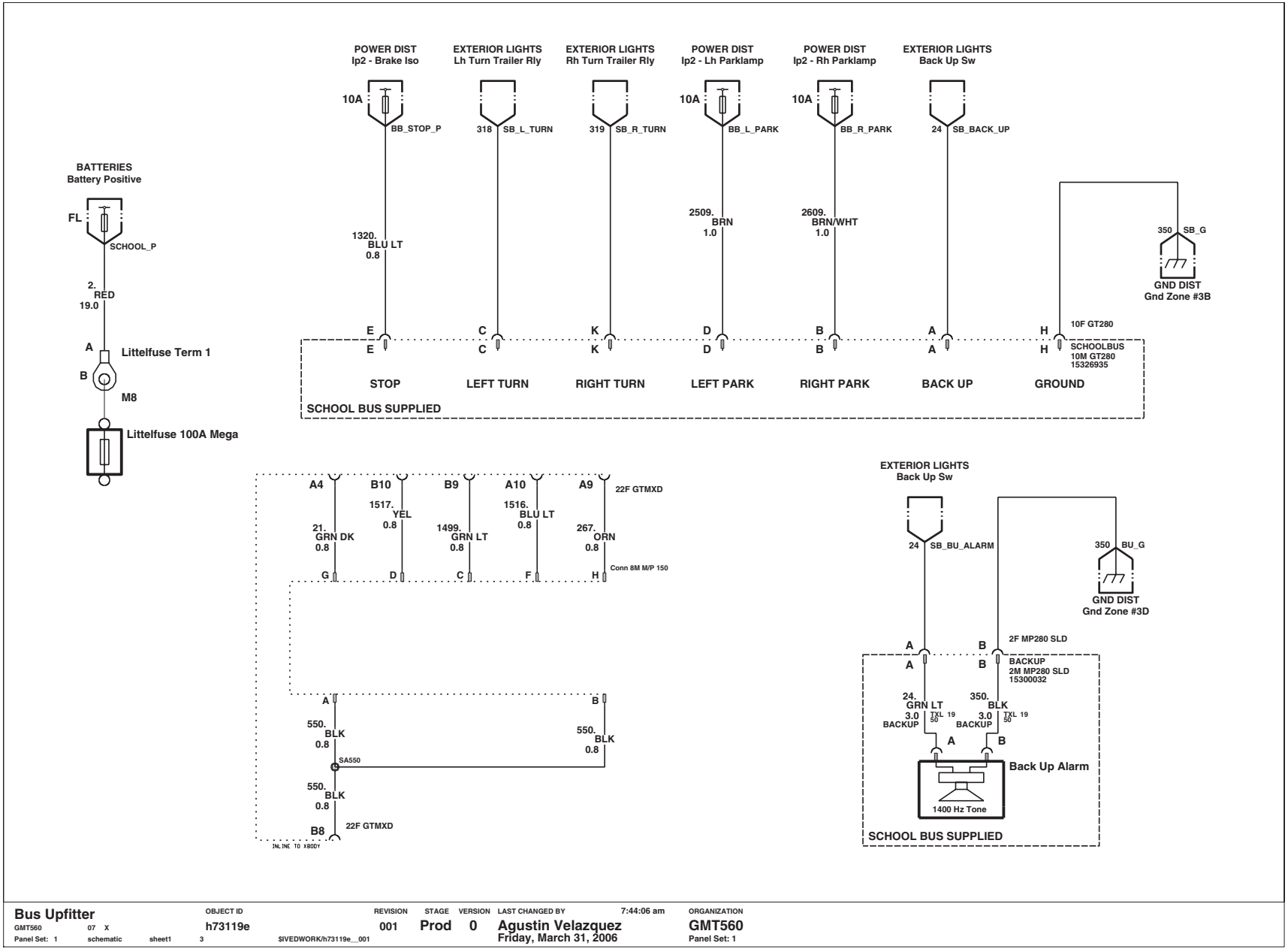
GMT560 07 X Panel Set: 2 schematic sheet1 2 $IVEDWORK/h73119c__001

Body Builder Connector



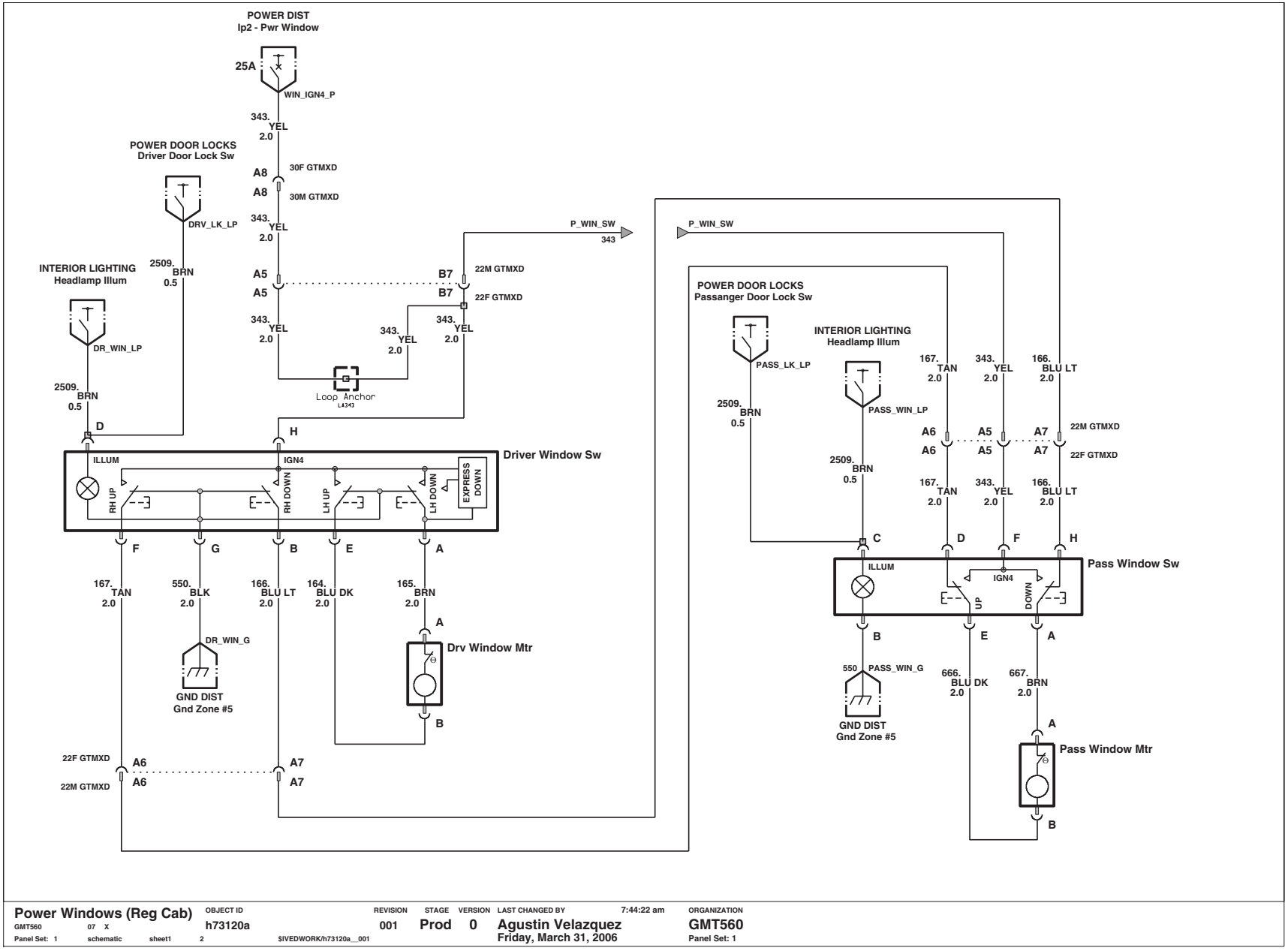
Body Builder Connector
GMT560 07 X Panel Set: 1 schematic sheet1 5 SIVEDWORK/h73119d__001
OBJECT ID h73119d
REVISION 001 STAGE Prod VERSION 0
LAST CHANGED BY Agustin Velazquez 7:43:24 am Friday, March 31, 2006
ORGANIZATION GMT560 Panel Set: 1

School Bus Upfitter



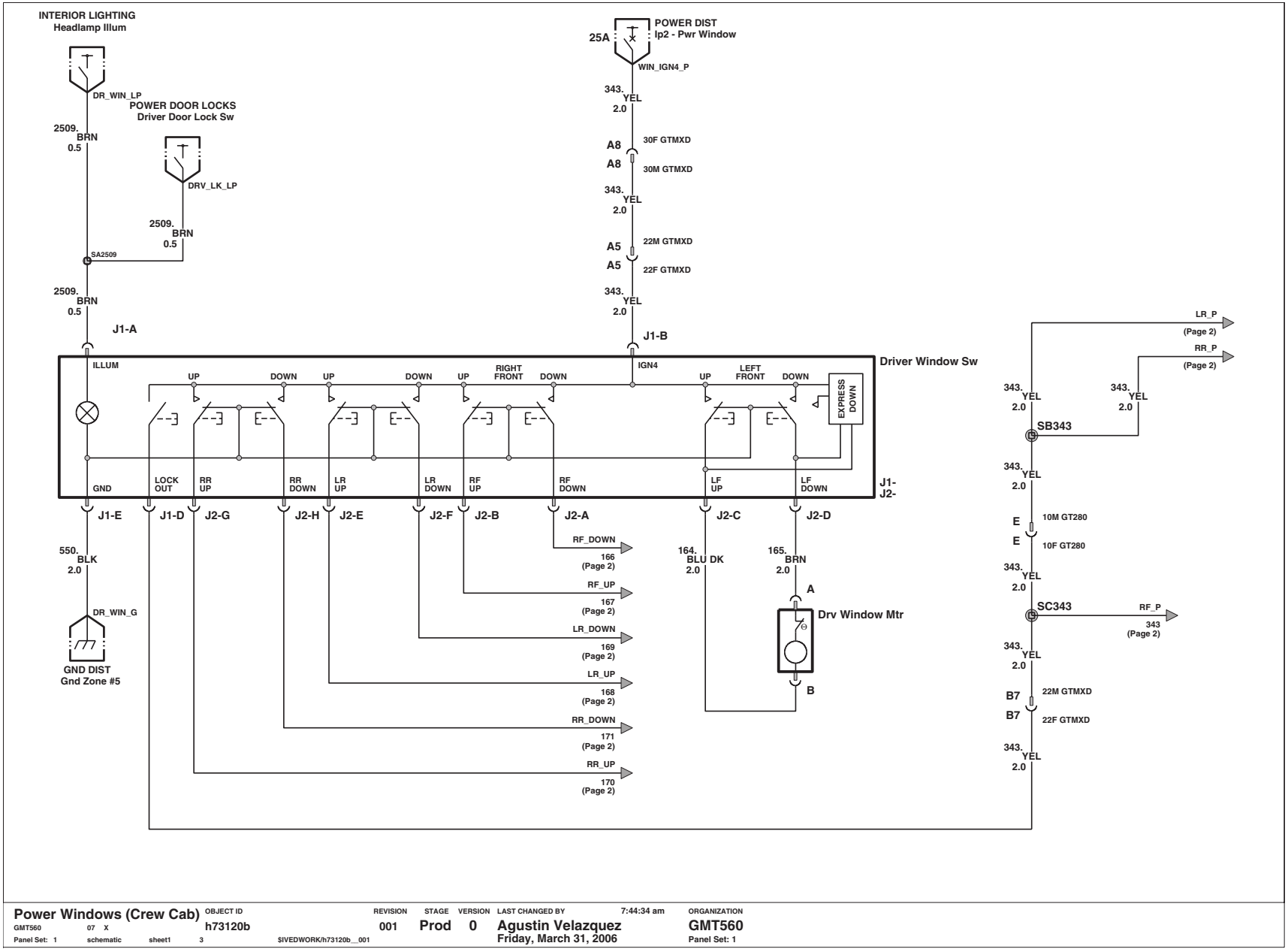
Bus Upfitter	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:44:06 am	ORGANIZATION
GMT560 07 X	h73119e	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 3	$IVEDWORK/h73119e__001				Friday, March 31, 2006		Panel Set: 1

Power Windows (Regular Cab)



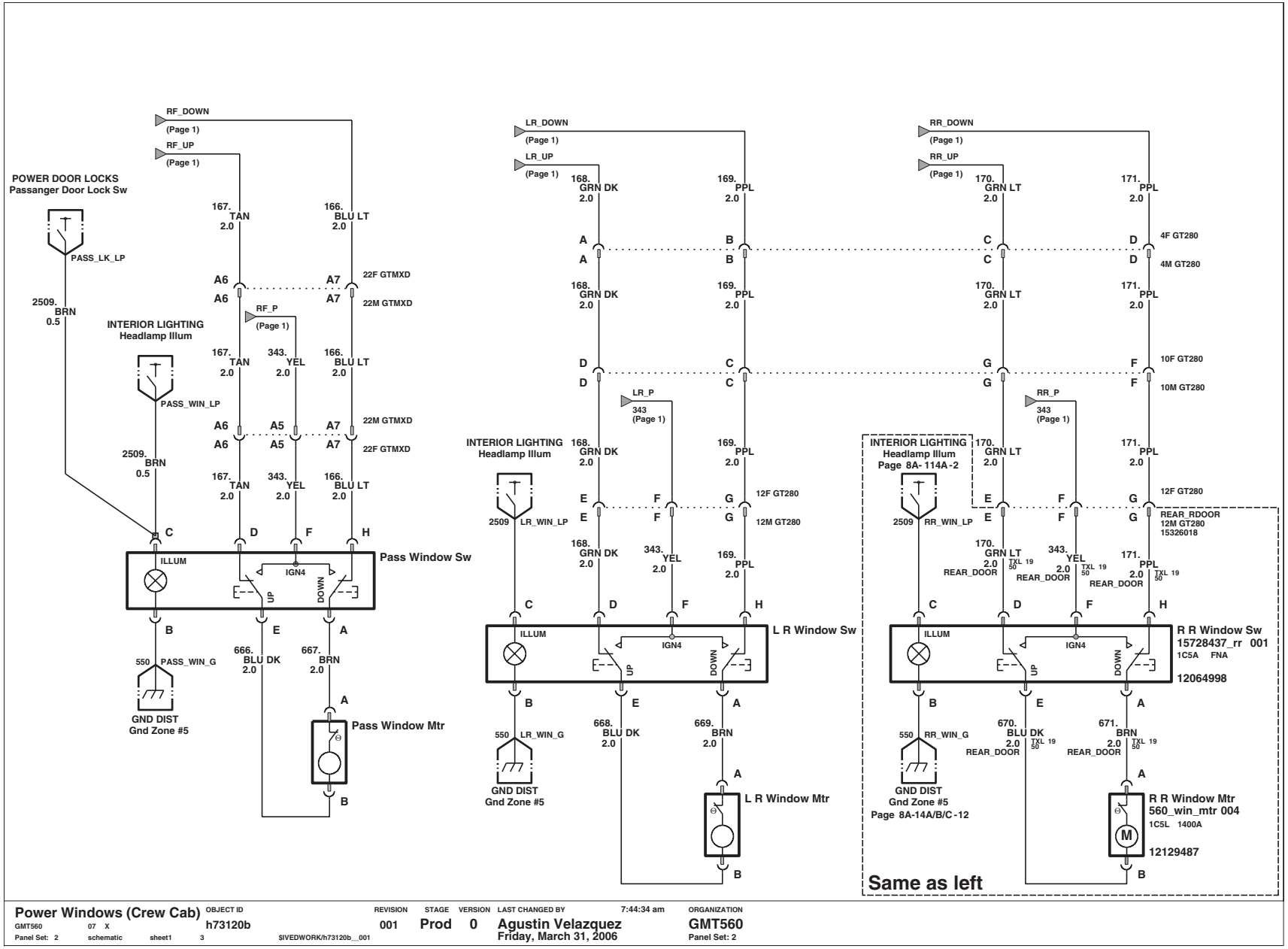
Power Windows (Reg Cab)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:44:22 am	ORGANIZATION
GMT560 07 X	h73120a	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h73120a__001				Friday, March 31, 2006		Panel Set: 1

Power Windows (Crew Cab)



Power Windows (Crew Cab)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:44:34 am	ORGANIZATION
GMT560 07 X	h73120b	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 3	$IVEDWORK/h73120b__001				Friday, March 31, 2006		Panel Set: 1

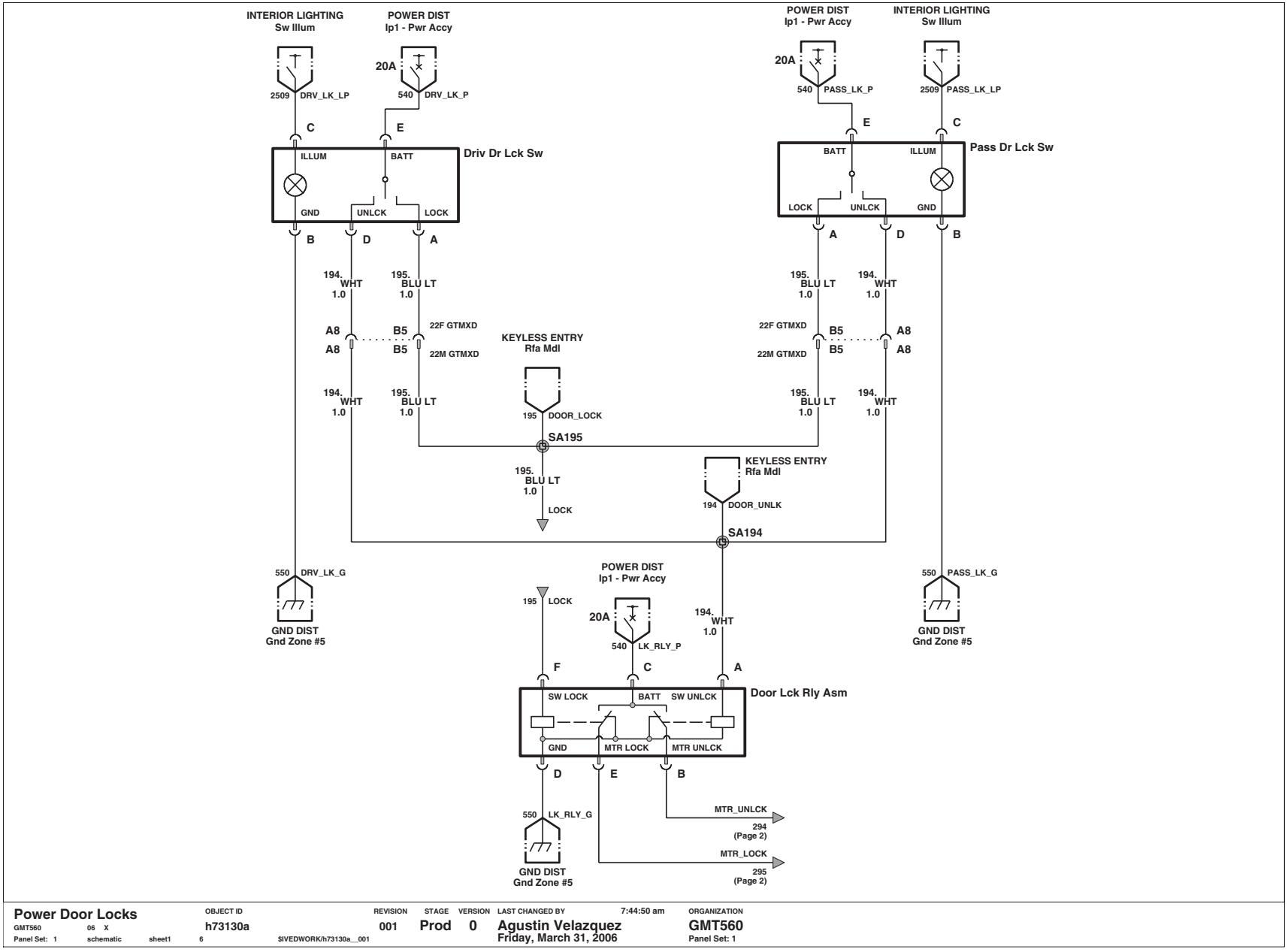
Power Windows (Crew Cab) (continued)



Power Windows (Crew Cab) OBJECT ID h73120b | REVISION 001 | STAGE Prod | VERSION 0 | LAST CHANGED BY Agustin Velazquez | 7:44:34 am Friday, March 31, 2006 | ORGANIZATION GMT560

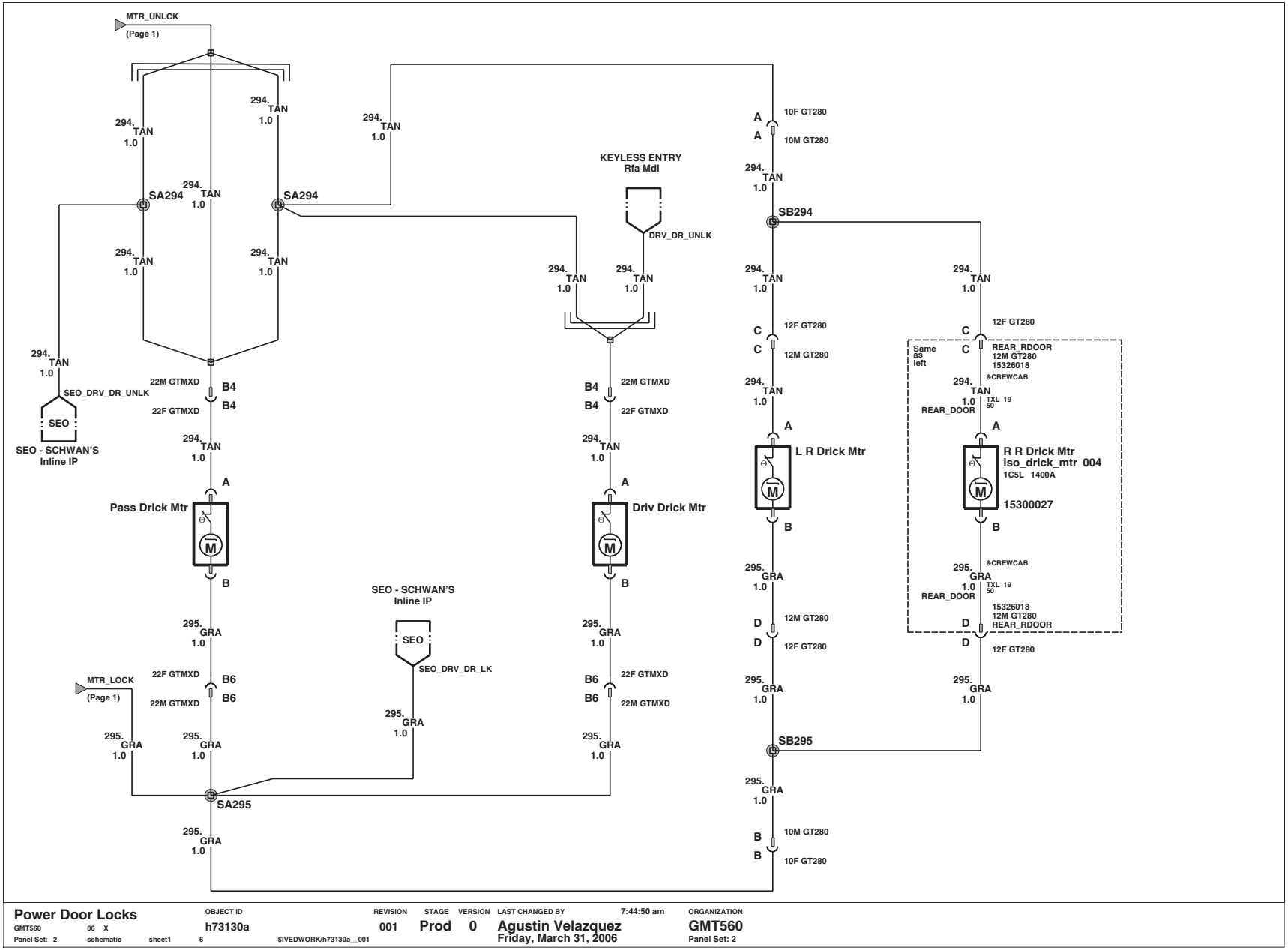
GMT560 07 X | Panel Set: 2 | schematic | sheet1 3 | $IVEDWORK/h73120b__001 | Panel Set: 2

Power Door Locks

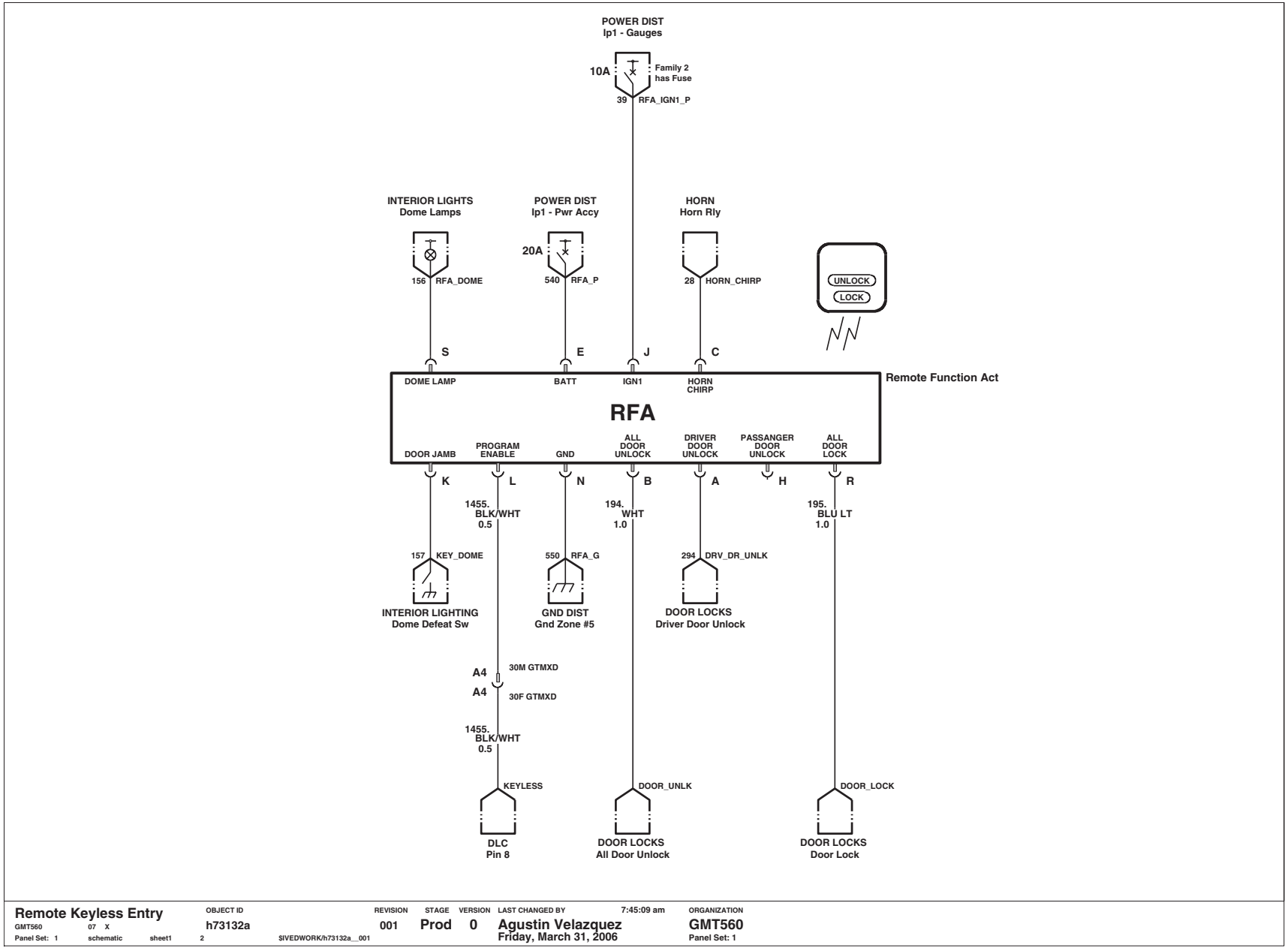


Power Door Locks	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:44:50 am	ORGANIZATION
GMT560 06 X	h73130a	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 6	$IVEDWORK/h73130a__001				Friday, March 31, 2006		Panel Set: 1

Power Door Locks (continued)

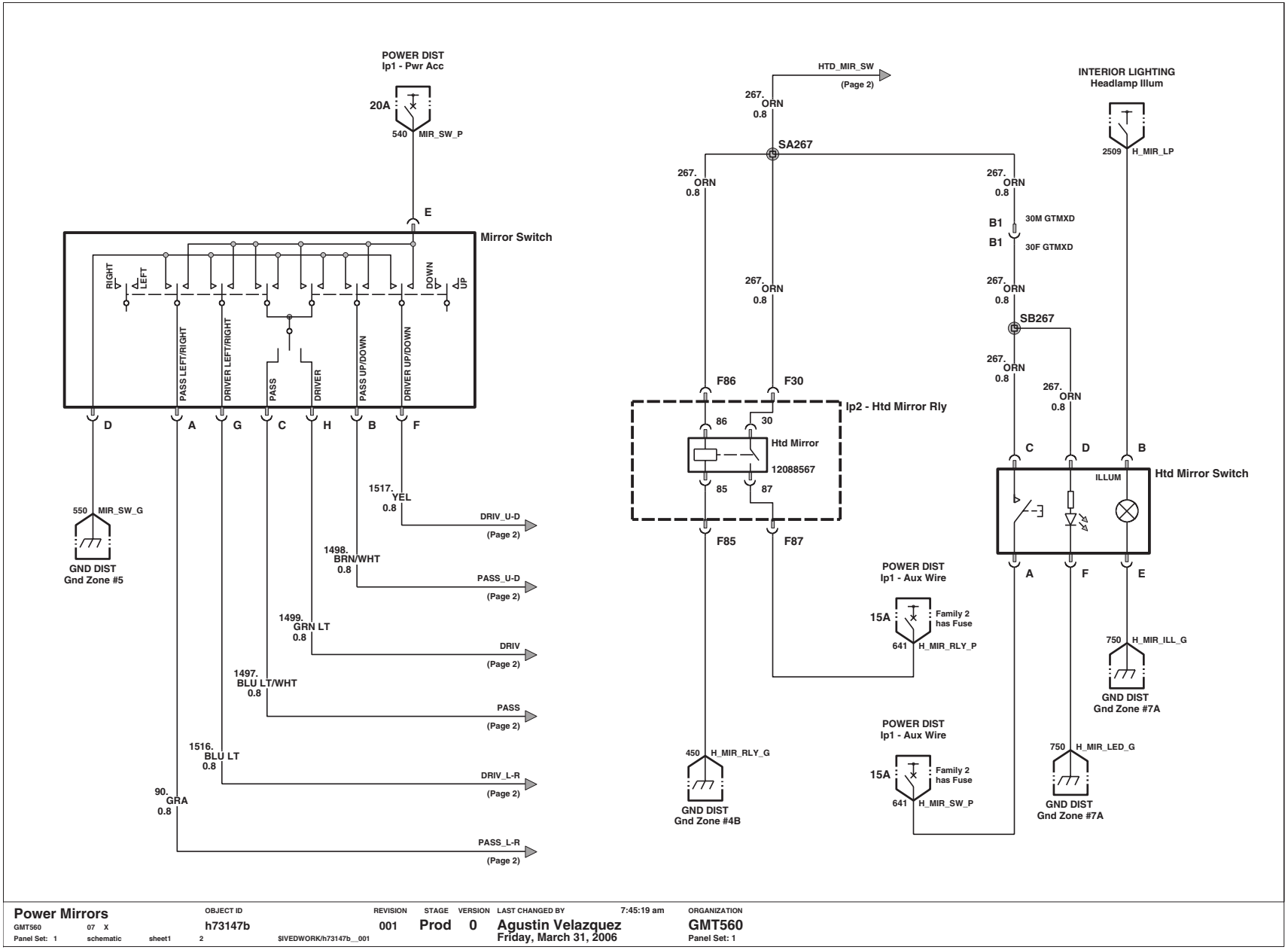


Remote Keyless Entry (RKE)



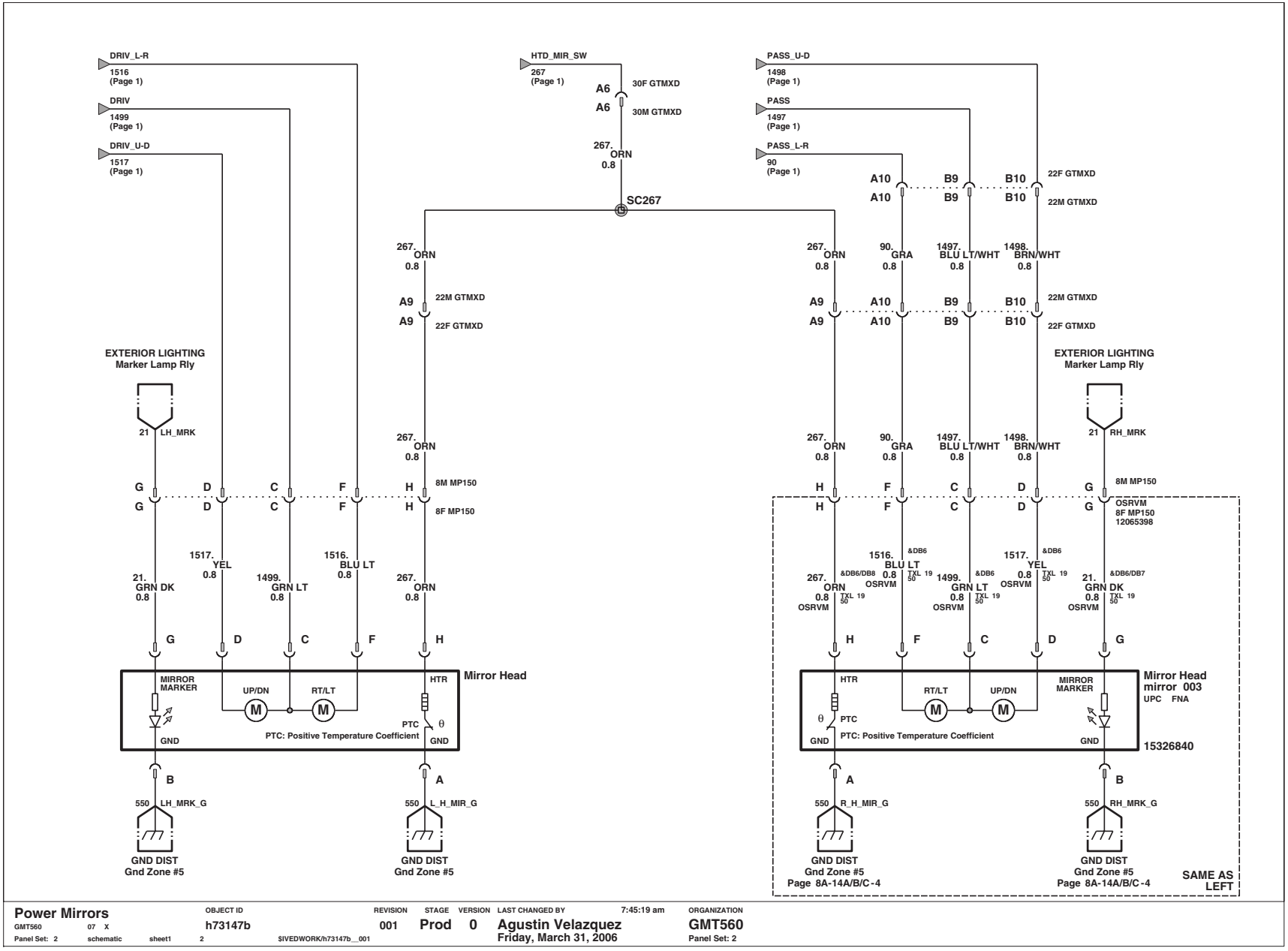
Remote Keyless Entry
GMT560 07 X Panel Set: 1 schematic sheet1 2
OBJECT ID: h73132a
SIVEDWORK/h73132a__001
REVISION: 001 STAGE: Prod VERSION: 0
LAST CHANGED BY: Agustin Velazquez 7:45:09 am Friday, March 31, 2006
ORGANIZATION: GMT560 Panel Set: 1

Power Mirrors



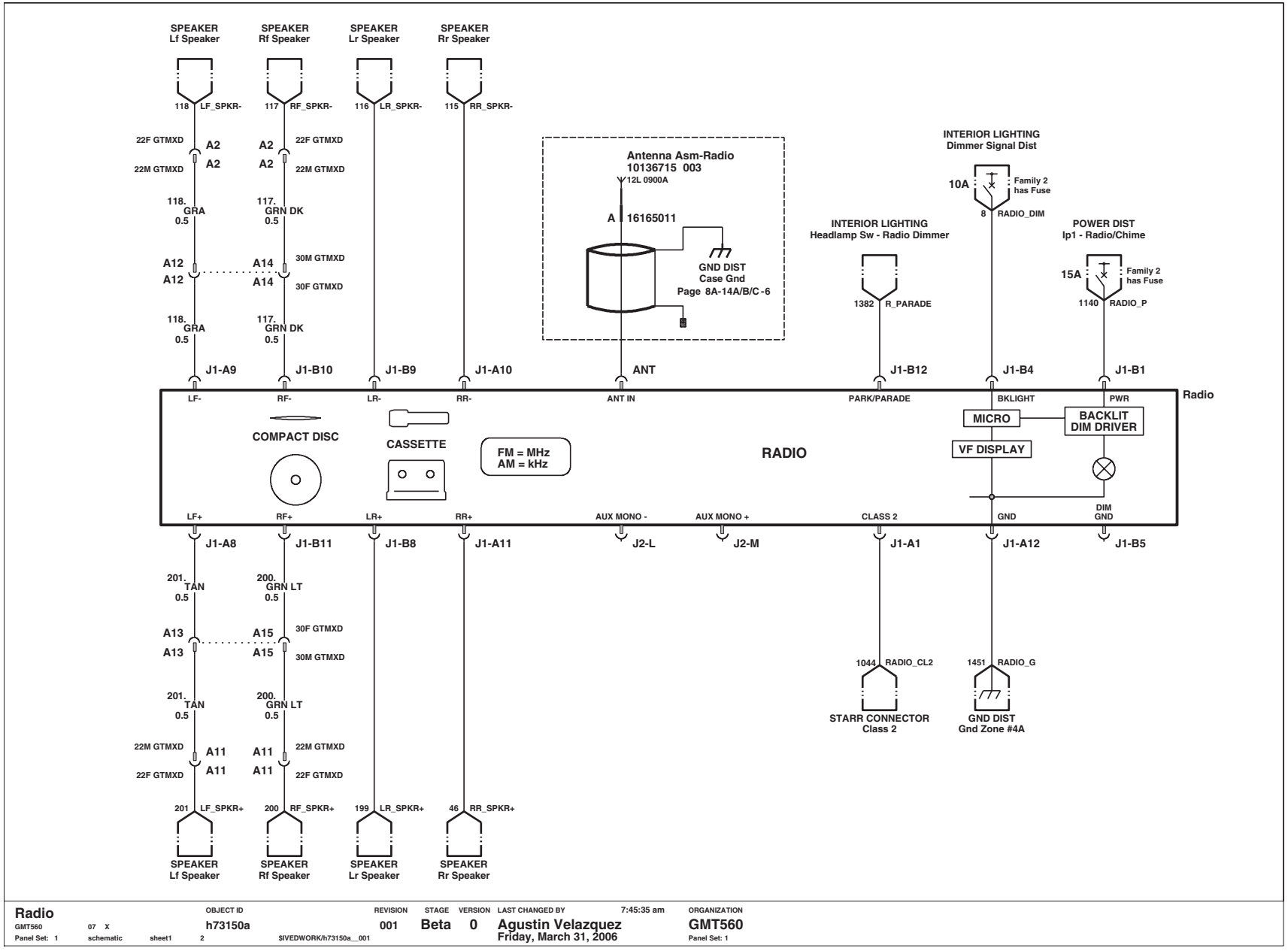
Power Mirrors	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73147b	001	Prod	0	Agustin Velazquez	7:45:19 am	GMT560
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h73147b__001				Friday, March 31, 2006		Panel Set: 1

Power Mirrors (continued)



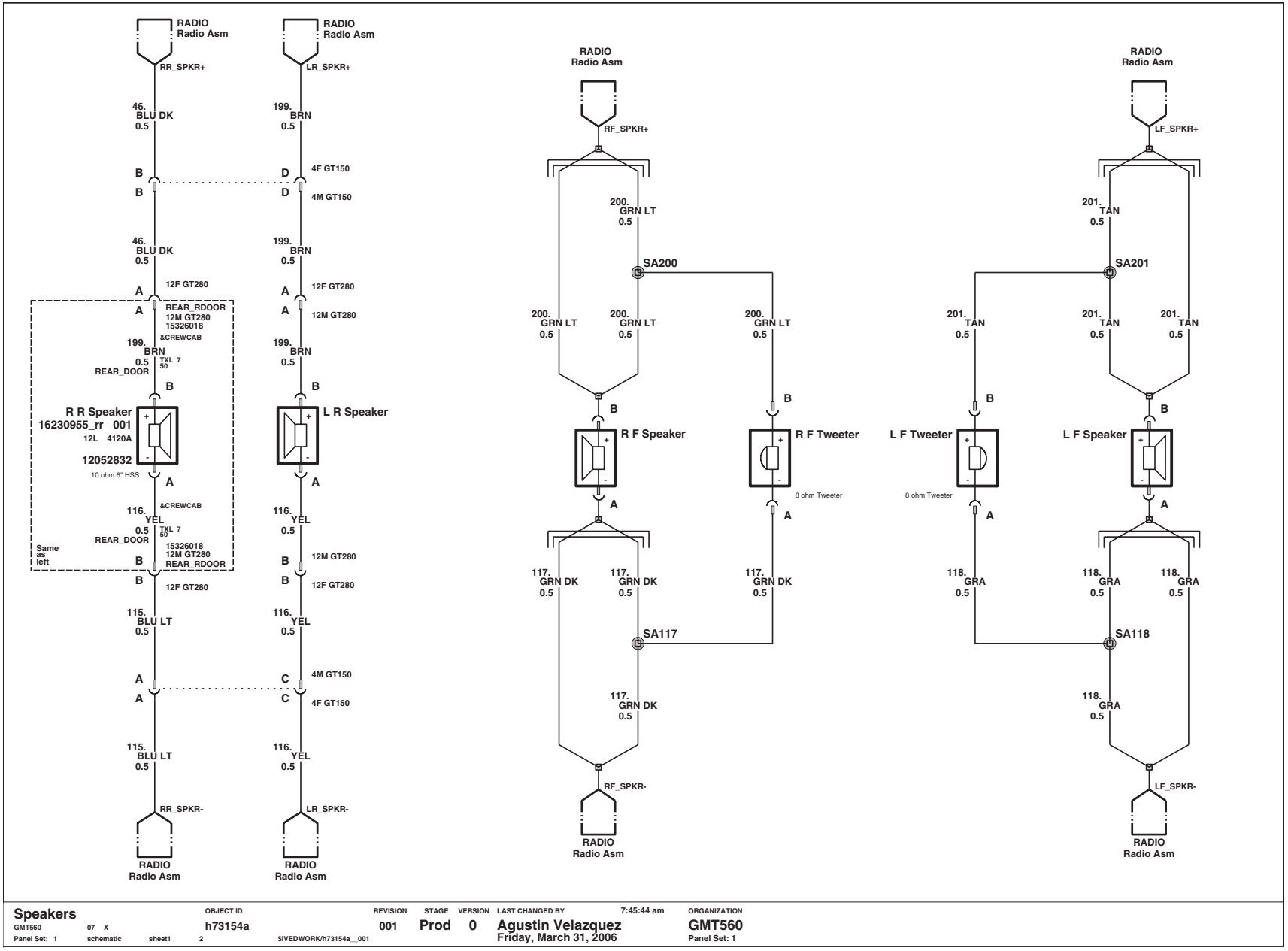
Power Mirrors	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:45:19 am	ORGANIZATION
GMT560 07 X	h73147b	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 2	$IVEDWORK/h73147b__001				Friday, March 31, 2006		Panel Set: 2

Entertainment - Radio



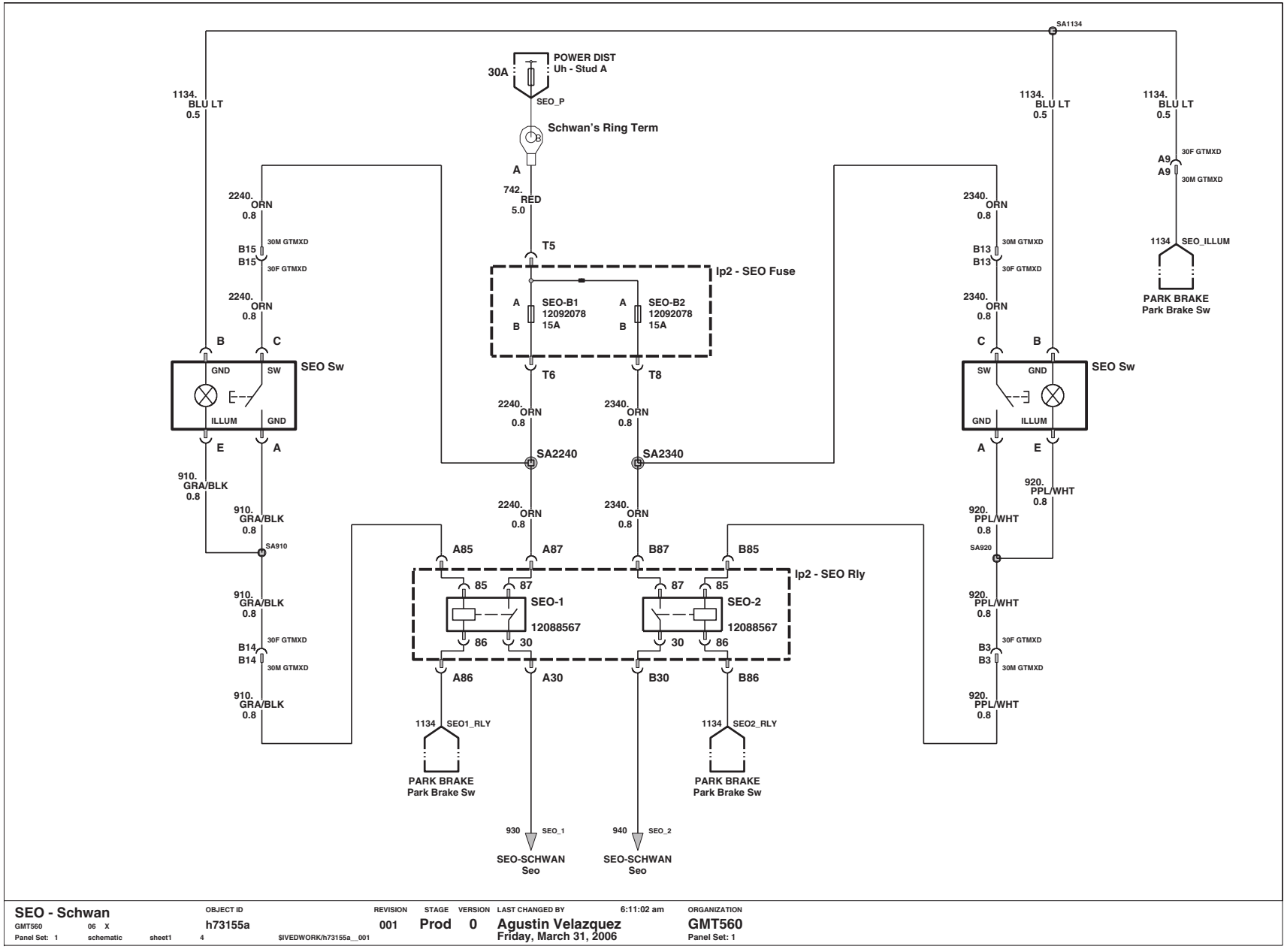
Radio	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07 X	h73150a	001	Beta	0	Agustin Velazquez	7:45:35 am	GMT560
Panel Set: 1 schematic sheet1 2	SIVEDWORK/h73150a__001				Friday, March 31, 2006		Panel Set: 1

Entertainment - Speakers



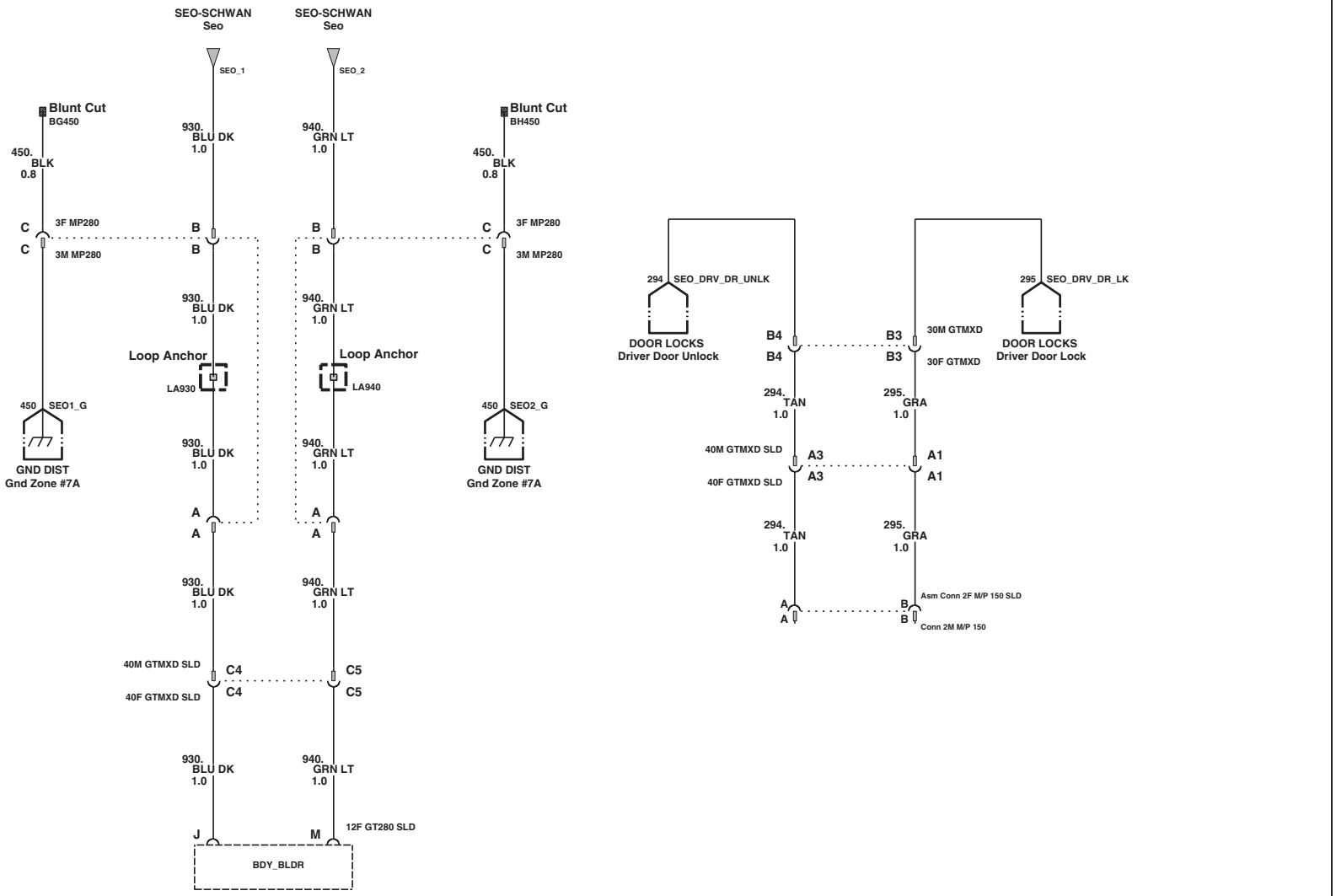
Speakers	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:45:44 am	ORGANIZATION
GMT560 07 X	h73154a	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 2	$IVEDWORK/h73154a__001				Friday, March 31, 2006		Panel Set: 1

SEO Schwan



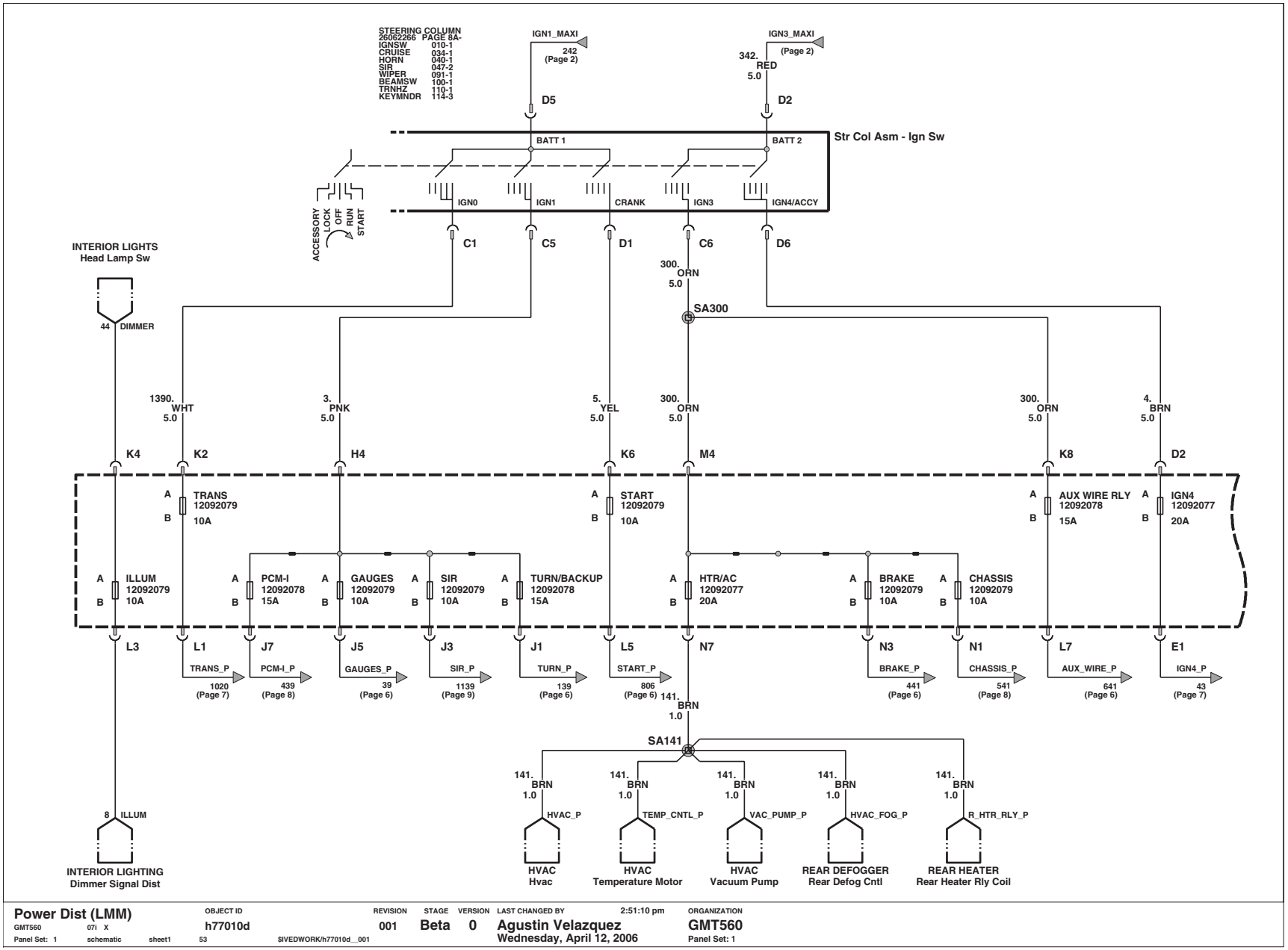
SEO - Schwan		OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	6:11:02 am	ORGANIZATION
GMT560	06 X	h73155a	001	Prod	0	Agustin Velazquez		GMT560
Panel Set: 1	schematic sheet1 4	SIVEDWORK/h73155a__001				Friday, March 31, 2006		Panel Set: 1

SEO Schwan (continued)

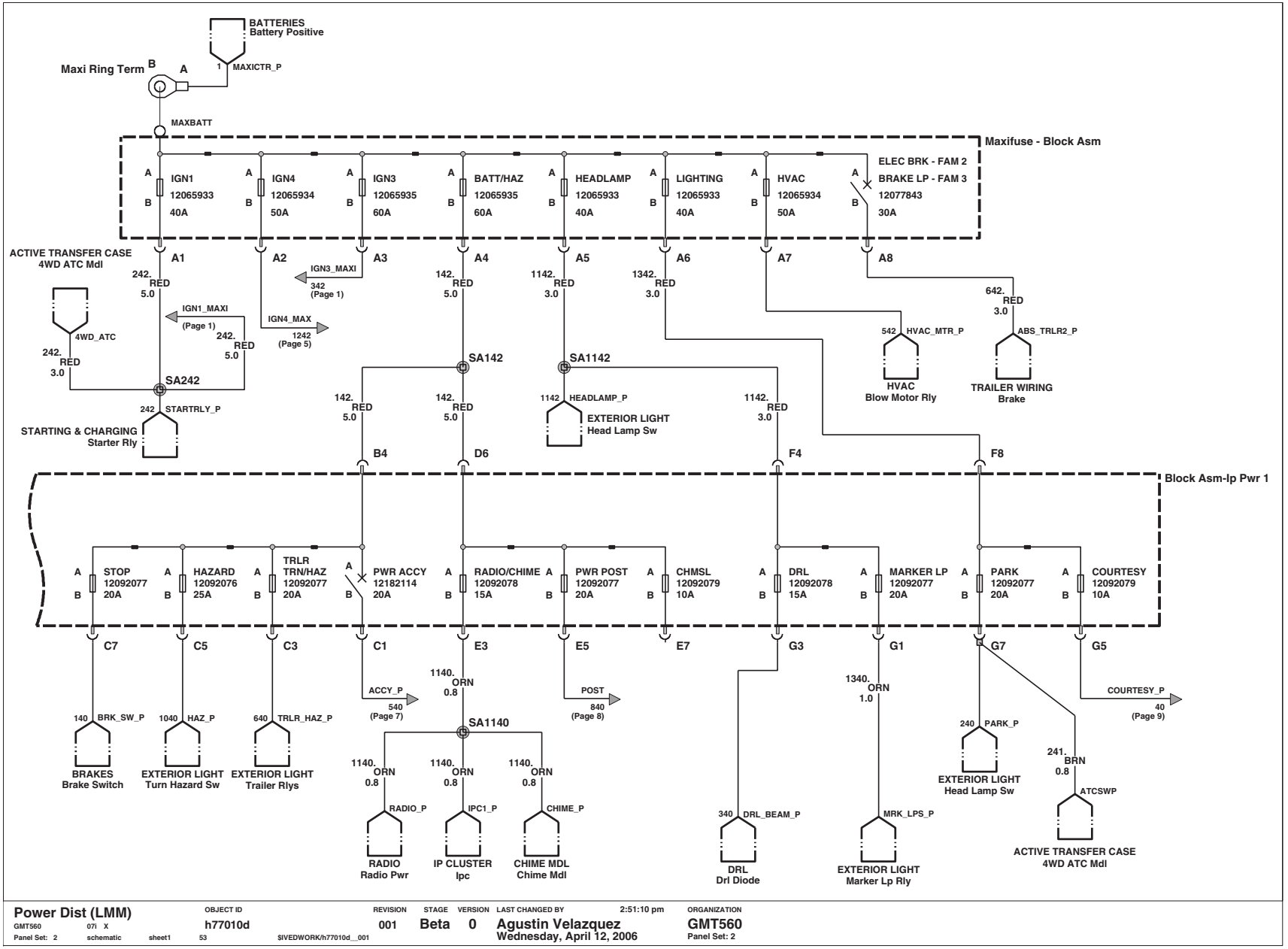


SEO - Schwan			OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	ORGANIZATION
GMT560	06 X		h73155a	001	X	0	Agustin Velazquez	GMT560
Panel Set: 2	schematic	sheet1 4	$IVEDWORK/h73155a__001				Friday, March 31, 2006 6:11:02 am	Panel Set: 2

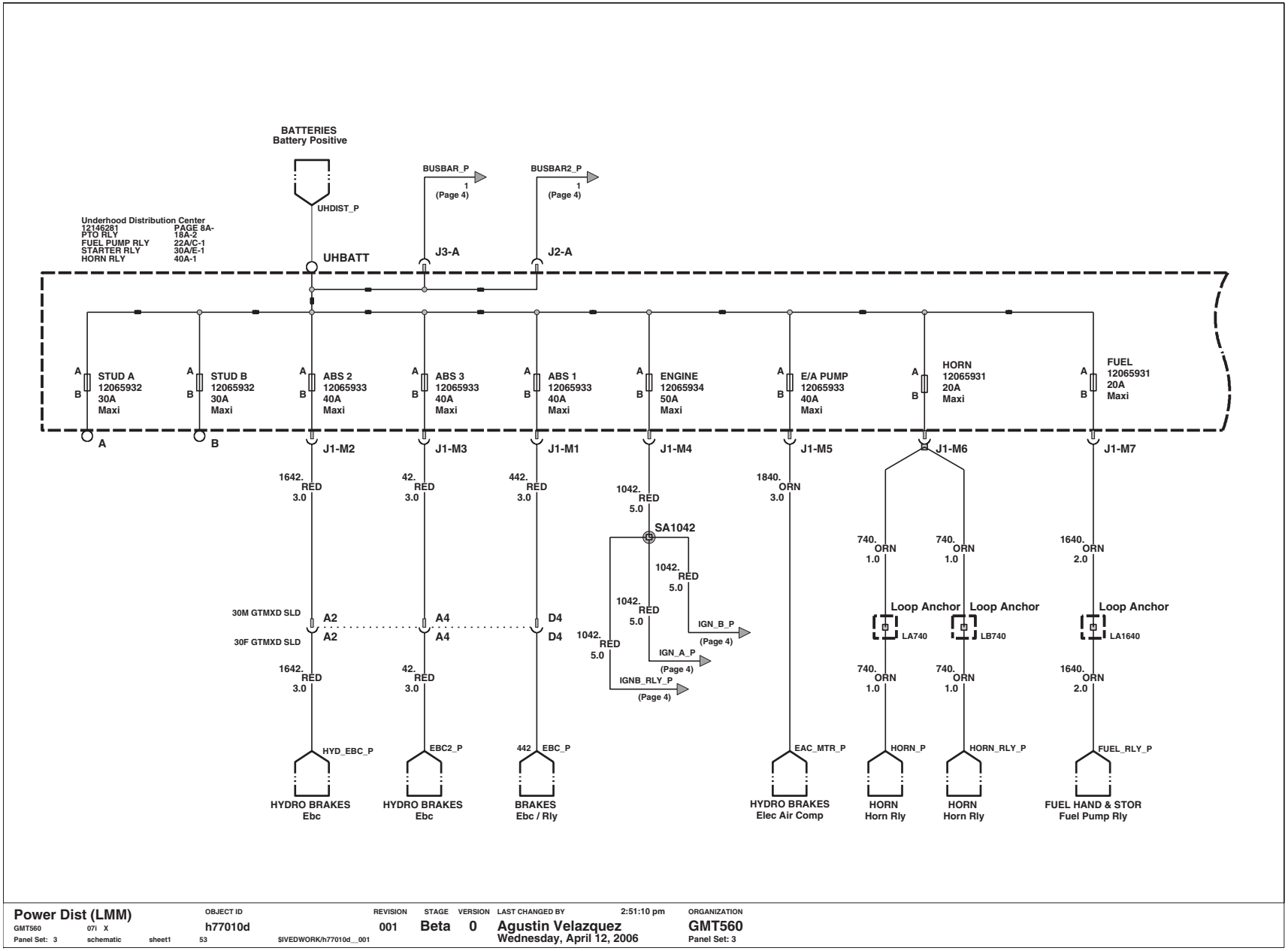
Power Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions



Power Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

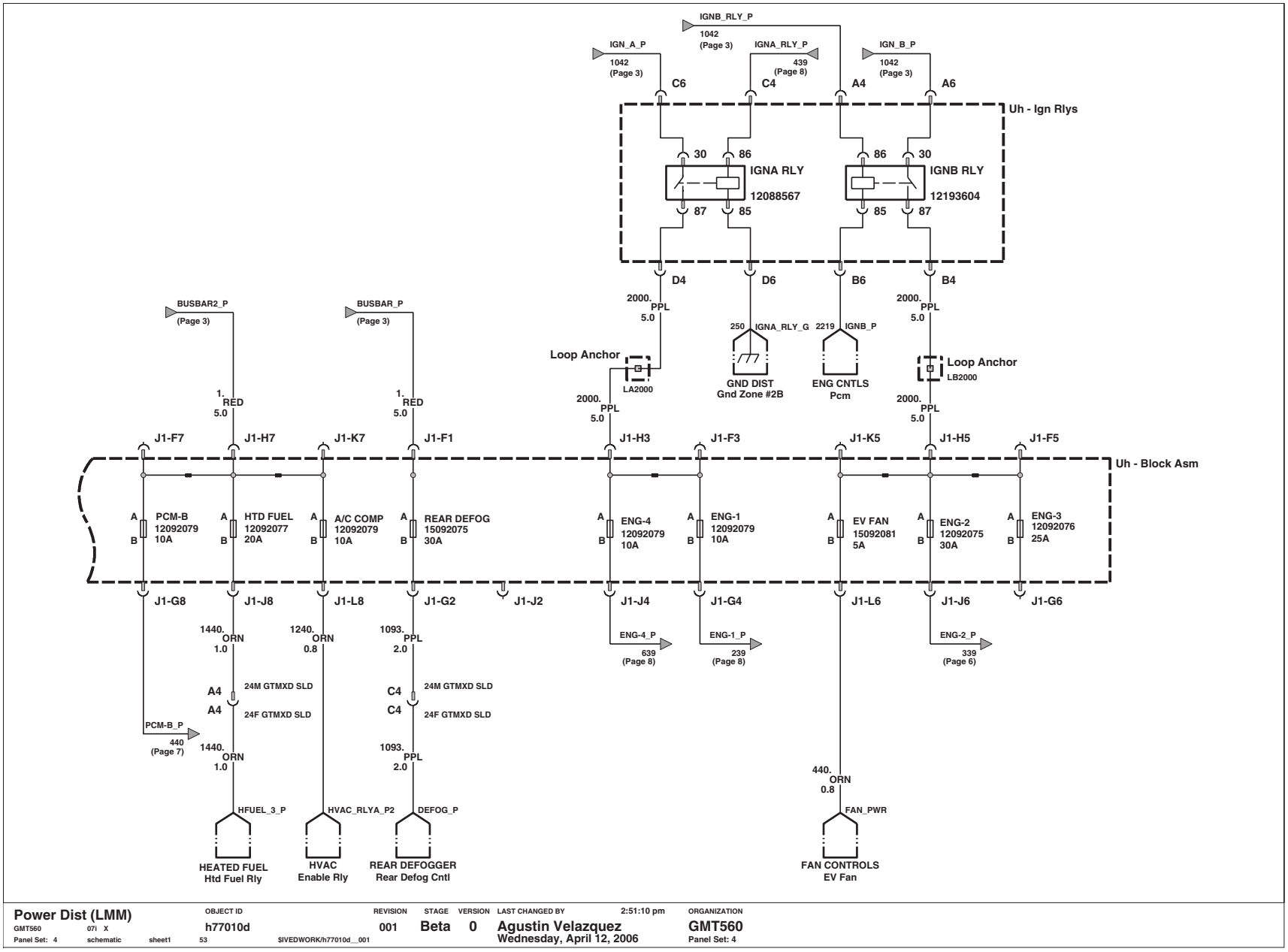


Power Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

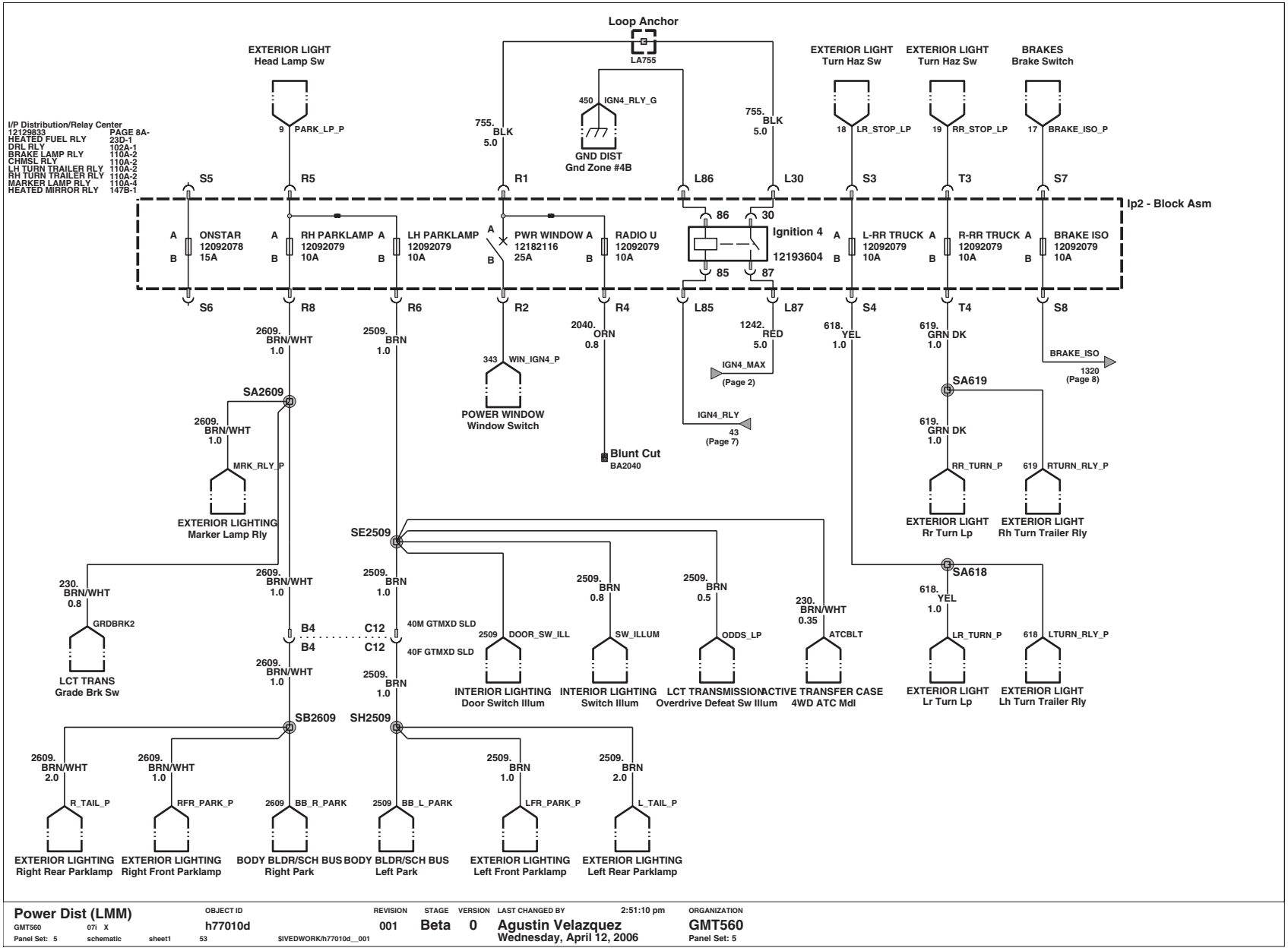


Power Dist (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010d	001	Beta	0	Agustin Velazquez	2:51:10 pm	GMT560
Panel Set: 3 schematic sheet1 53	$IVEDWORK/h77010d__001				Wednesday, April 12, 2006		Panel Set: 3

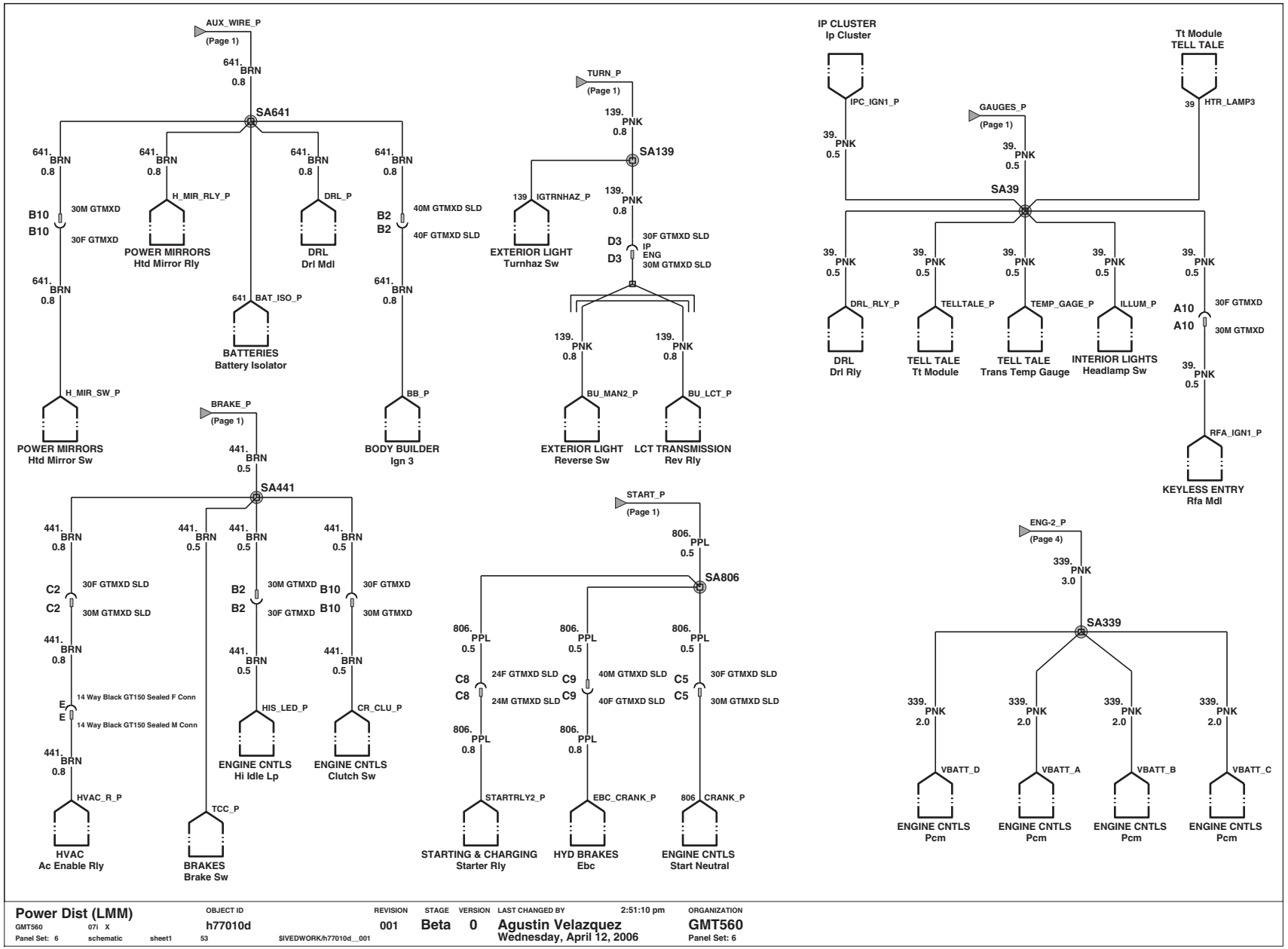
Power Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



Power Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

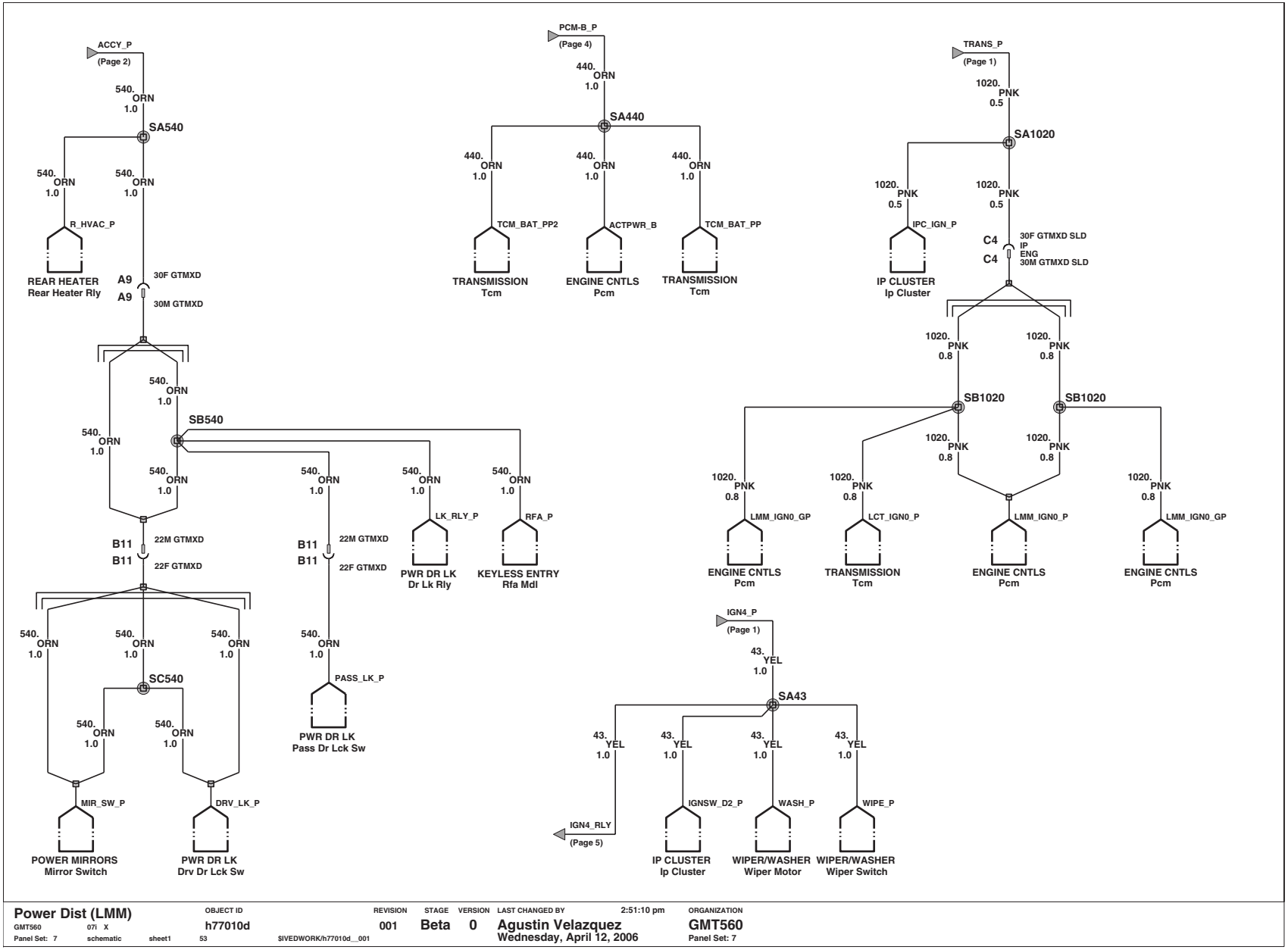


Power Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



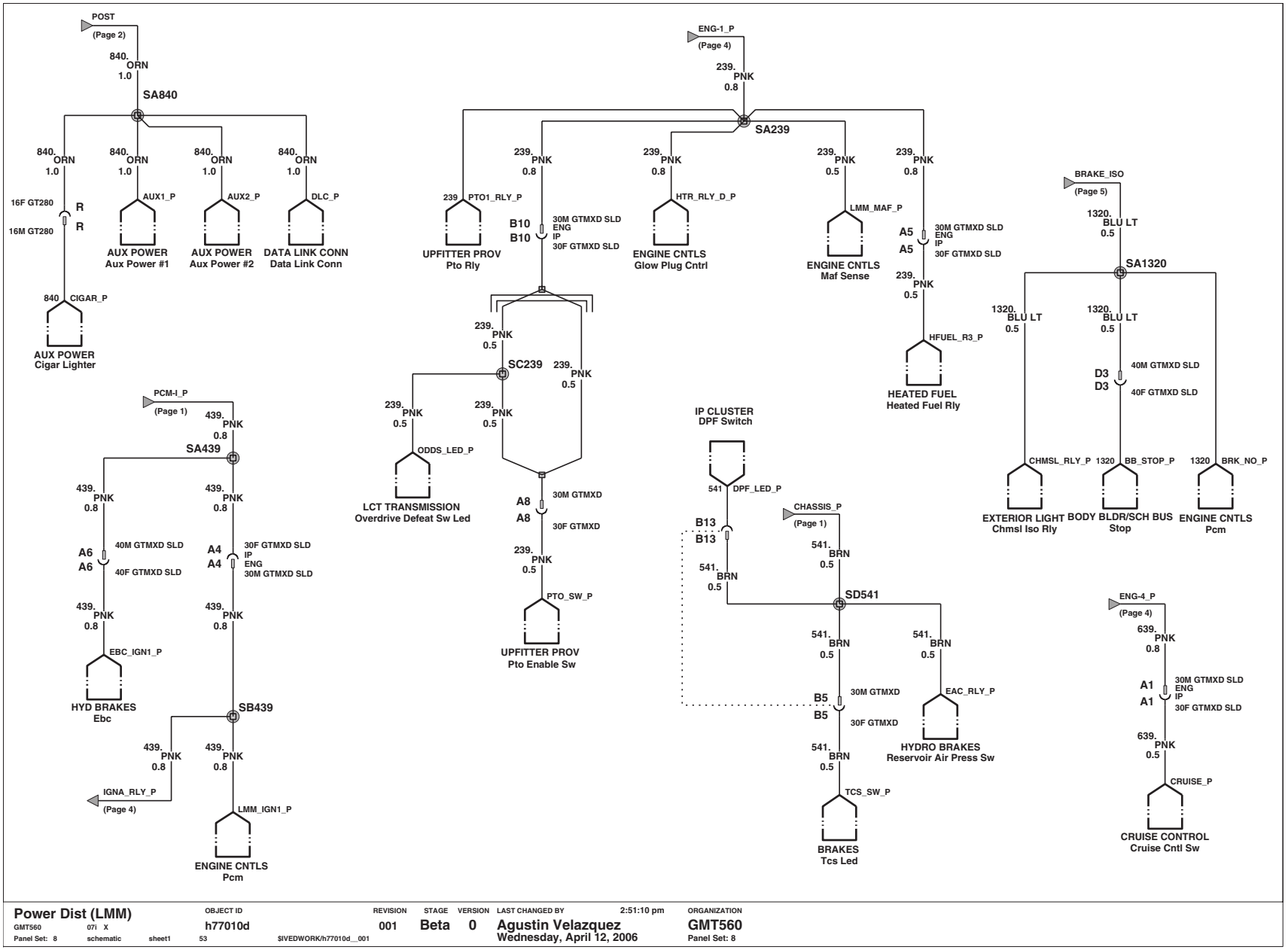
Power Dist (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010d	001	Beta	0	Agustin Velazquez	2:51:10 pm	GMT560
Panel Set: 6 schematic sheet1 53 $IVEDWORK/h77010d__001					Wednesday, April 12, 2006		Panel Set: 6

Power Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



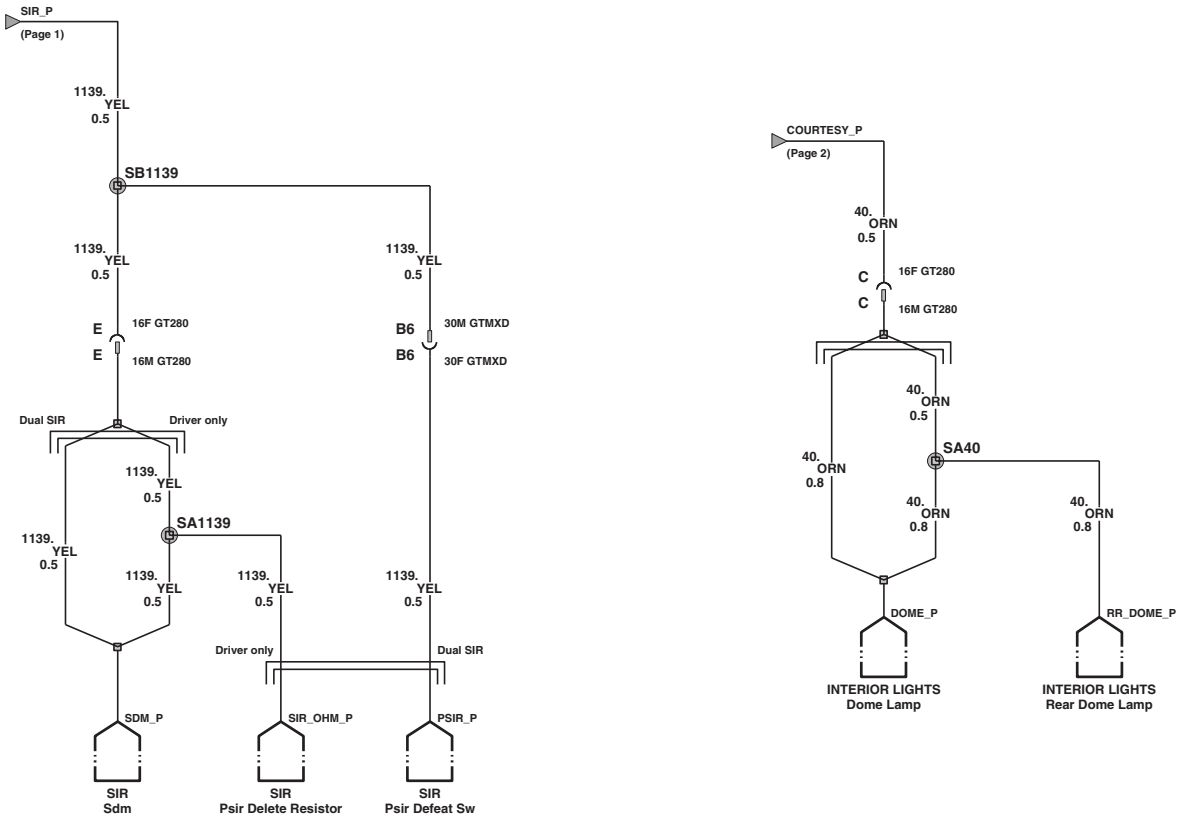
Power Dist (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010d	001	Beta	0	Agustin Velazquez	2:51:10 pm	GMT560
Panel Set: 7 schematic sheet1 53	$IVEDWORK/h77010d__001				Wednesday, April 12, 2006		Panel Set: 7

Power Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



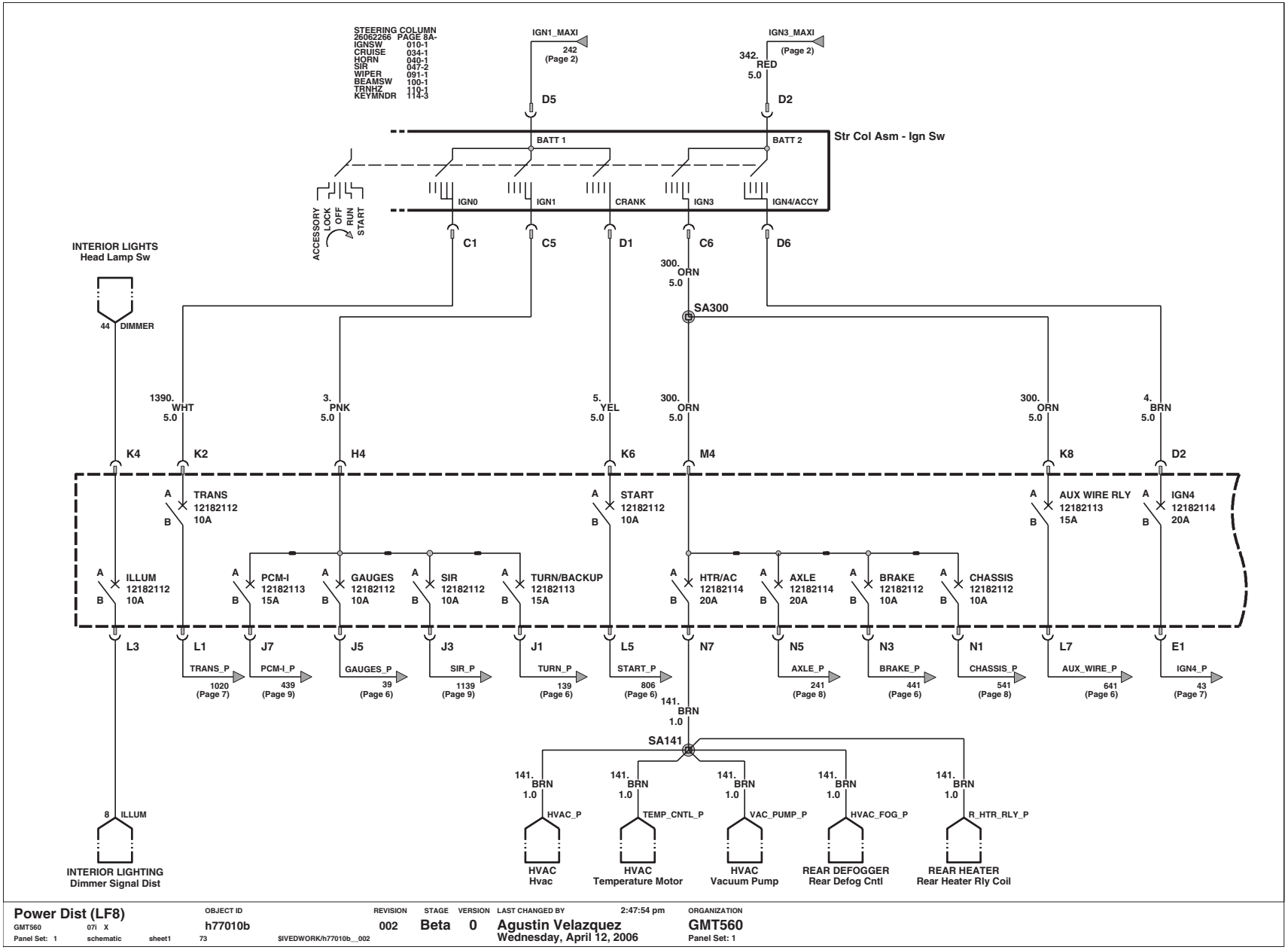
Power Dist (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010d	001	Beta	0	Agustin Velazquez	2:51:10 pm	GMT560
Panel Set: 8 schematic sheet1 53	$IVEDWORK/h77010d__001				Wednesday, April 12, 2006		Panel Set: 8

Power Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

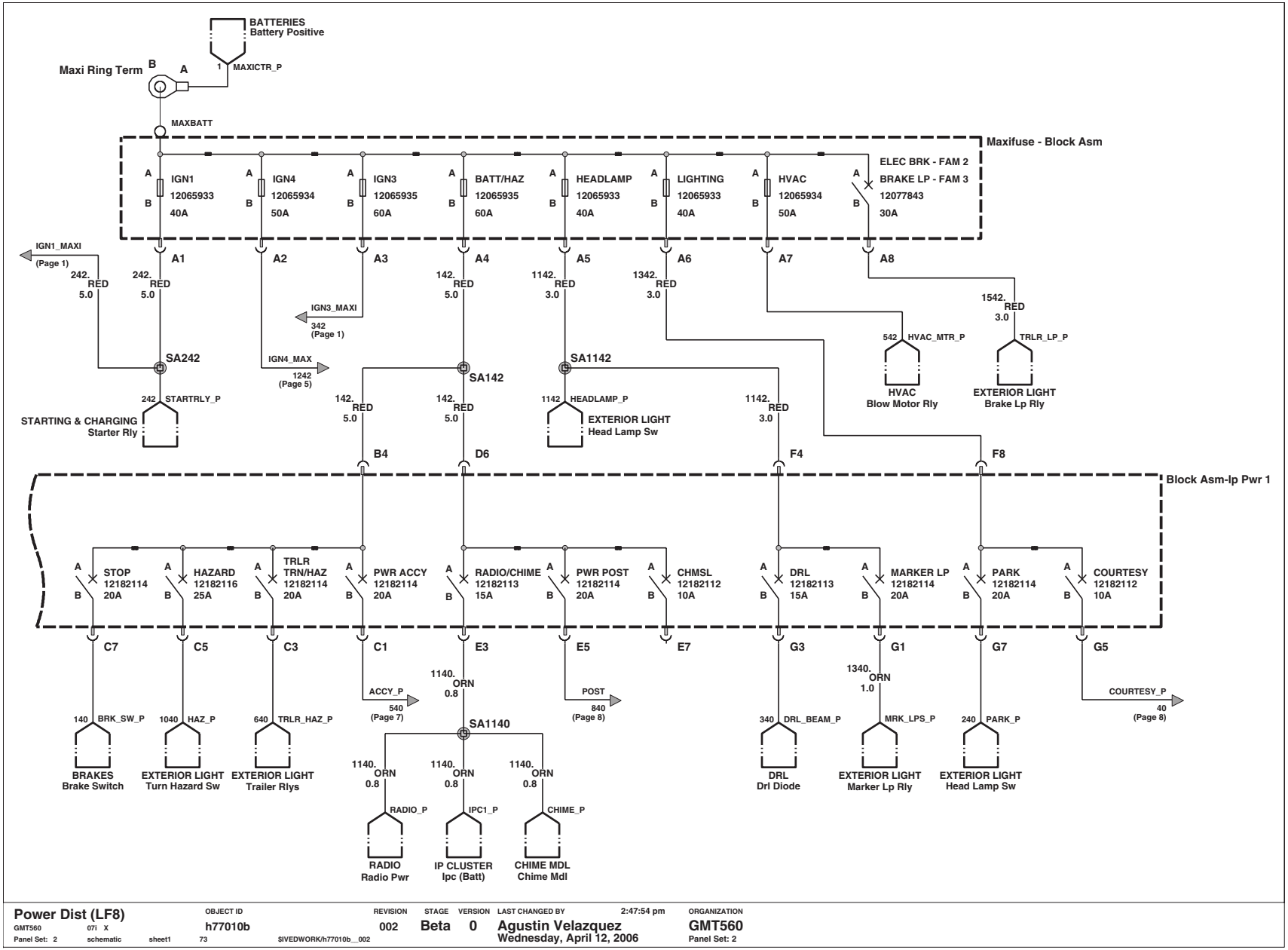


Power Dist (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010d	001	Beta	0	Agustin Velazquez	2:51:10 pm	GMT560
Panel Set: 9 schematic sheet1 53 $IVEDWORK/h77010d__001					Wednesday, April 12, 2006		Panel Set: 9

Power Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions

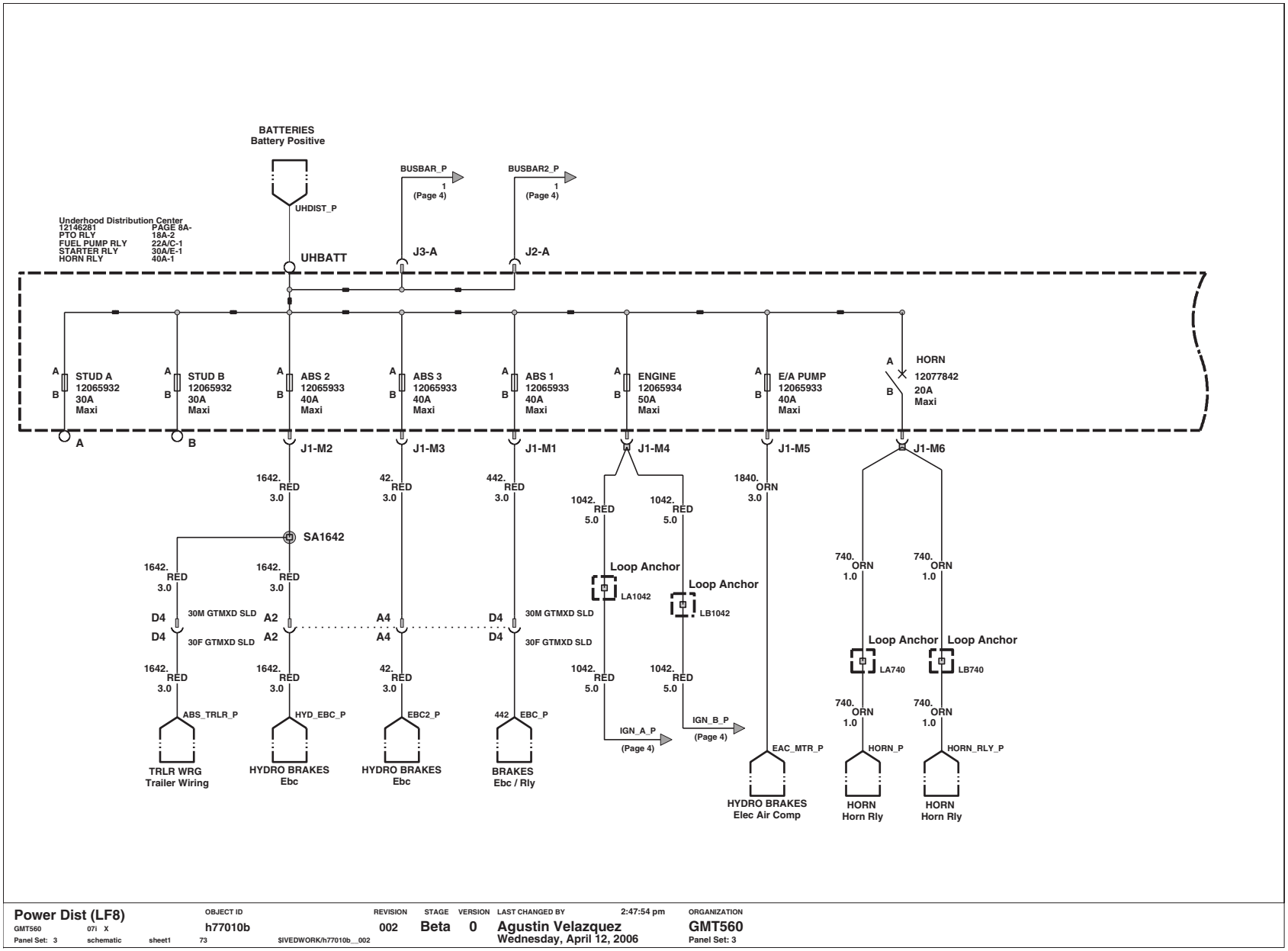


Power Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



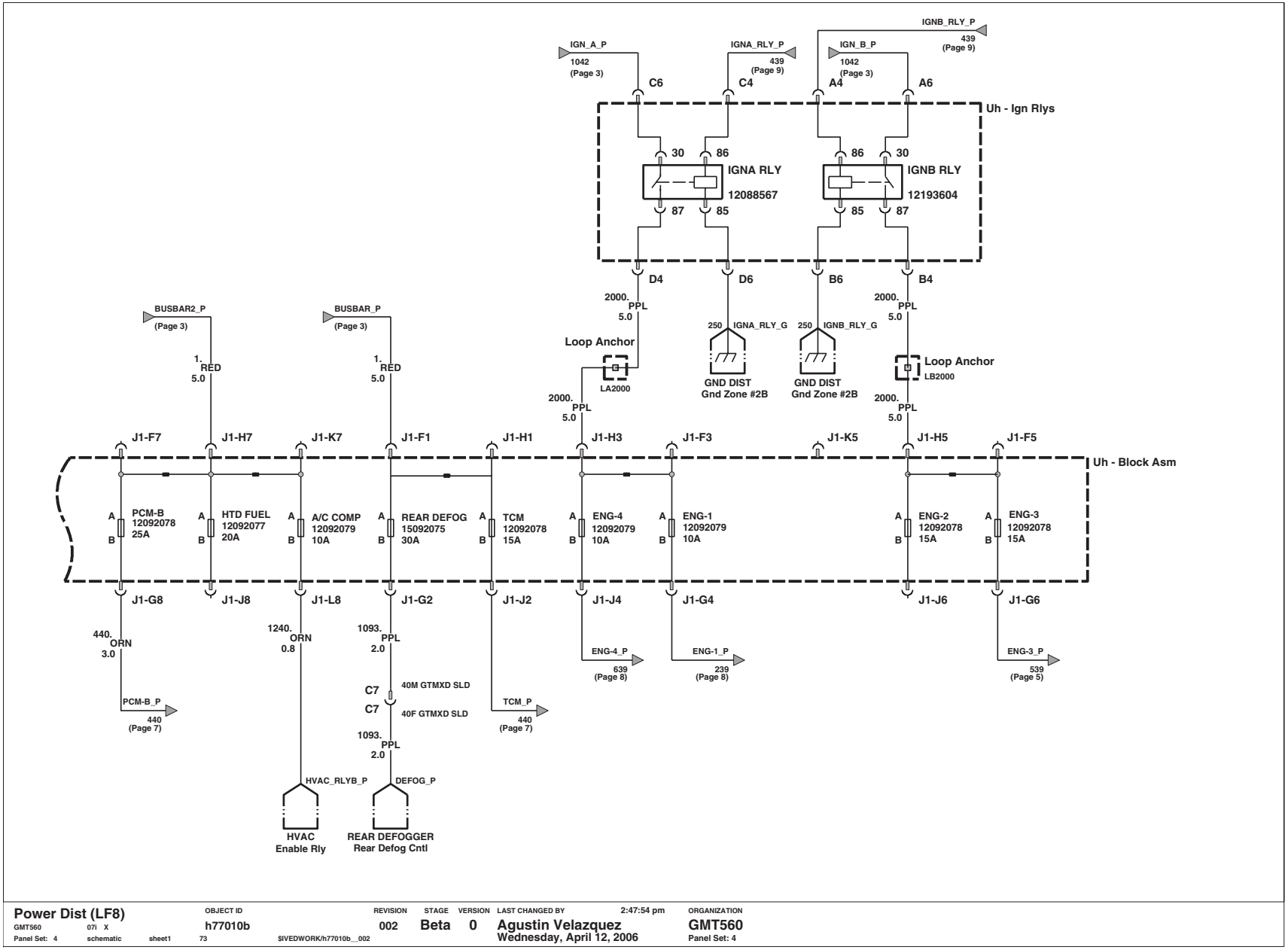
Power Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010b	002	Beta	0	Agustin Velazquez	2:47:54 pm	GMT560
Panel Set: 2 schematic sheet1 73	$IVEDWORK/h77010b__002				Wednesday, April 12, 2006		Panel Set: 2

Power Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



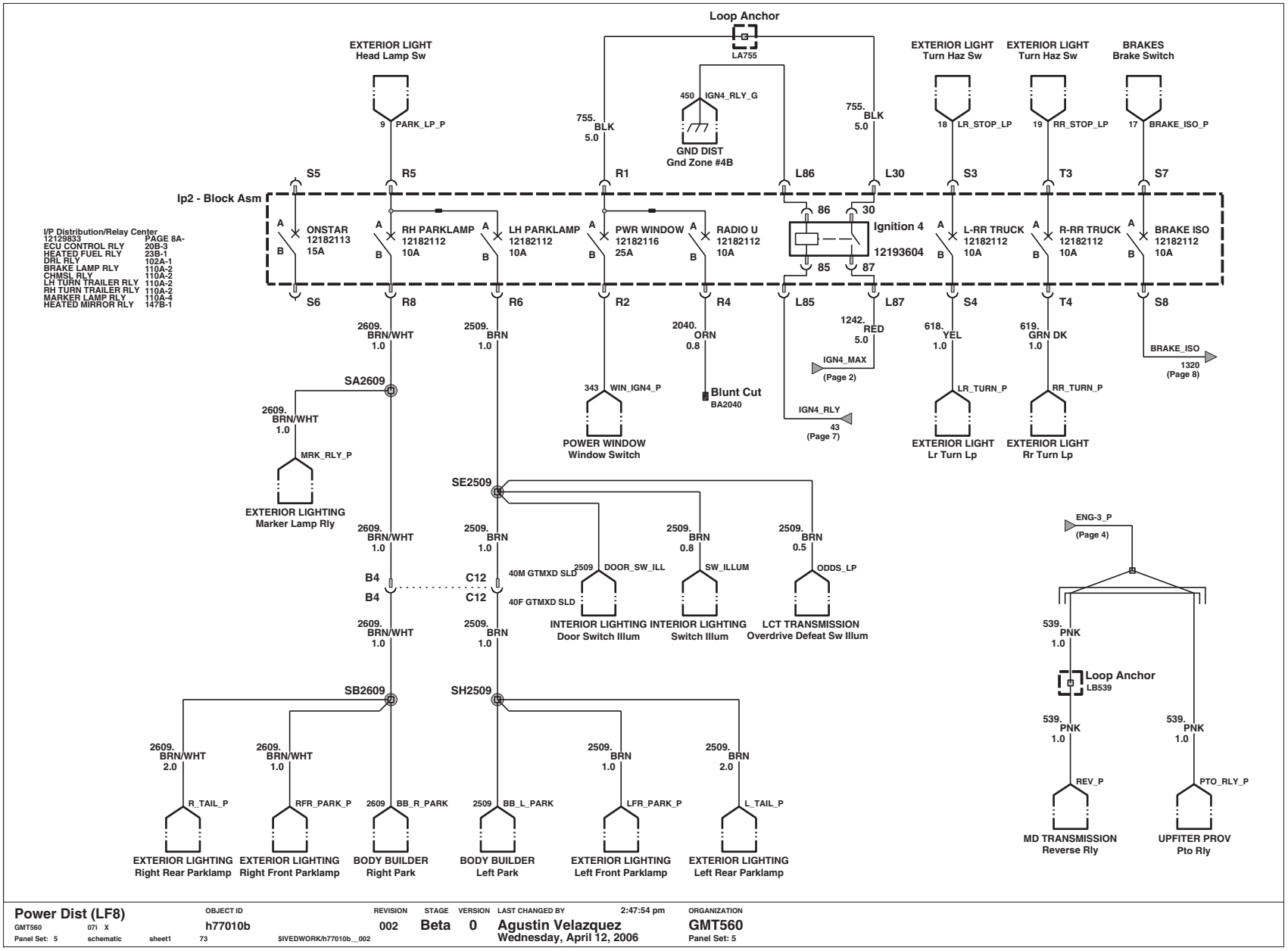
Power Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010b	002	Beta	0	Agustin Velazquez	2:47:54 pm	GMT560
Panel Set: 3 schematic sheet1 73 $IVEDWORK/h77010b__002					Wednesday, April 12, 2006		Panel Set: 3

Power Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



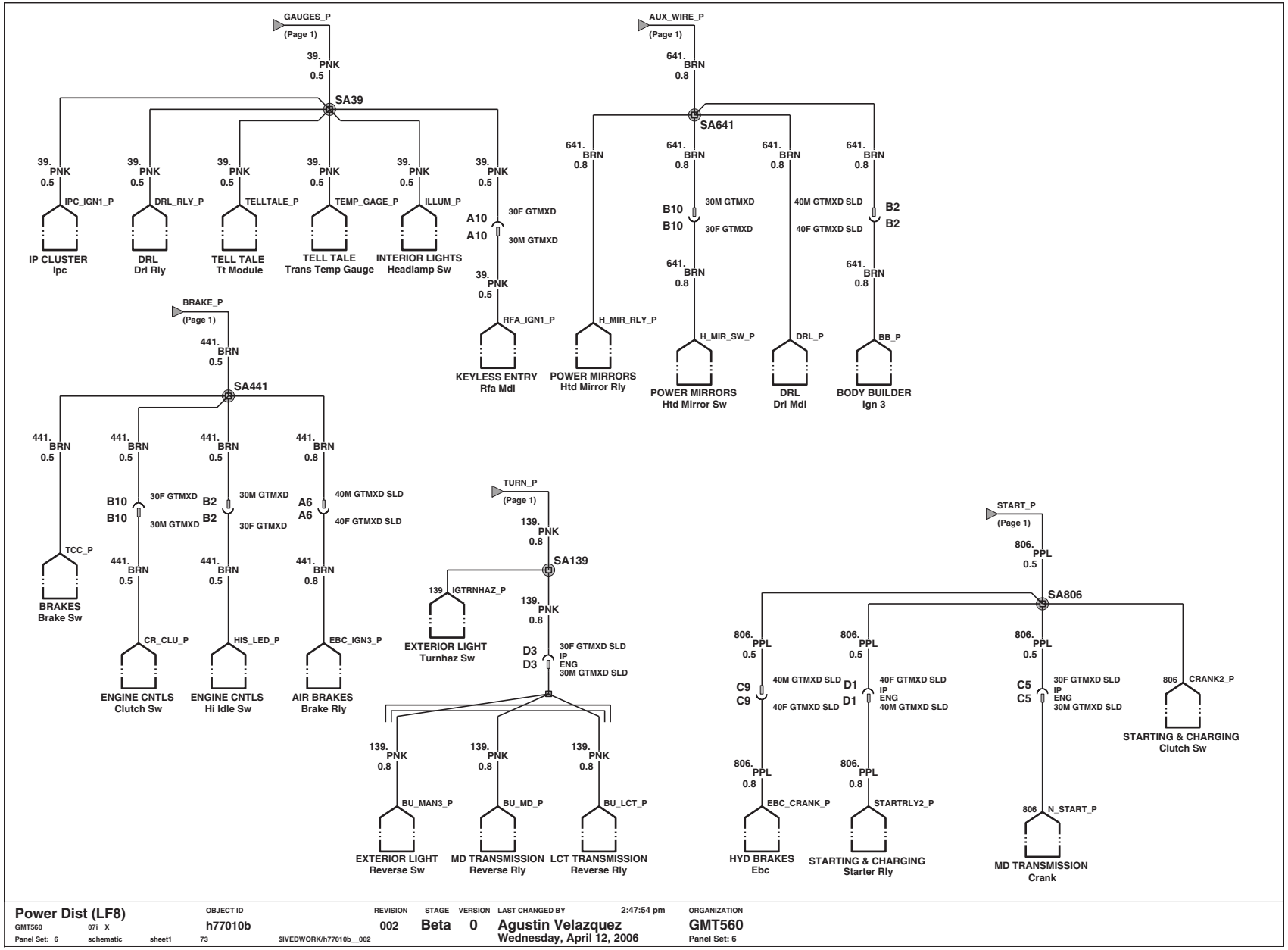
Power Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010b	002	Beta	0	Agustin Velazquez	2:47:54 pm	GMT560
Panel Set: 4 schematic sheet1 73	$IVEDWORK/h77010b_002				Wednesday, April 12, 2006		Panel Set: 4

Power Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)

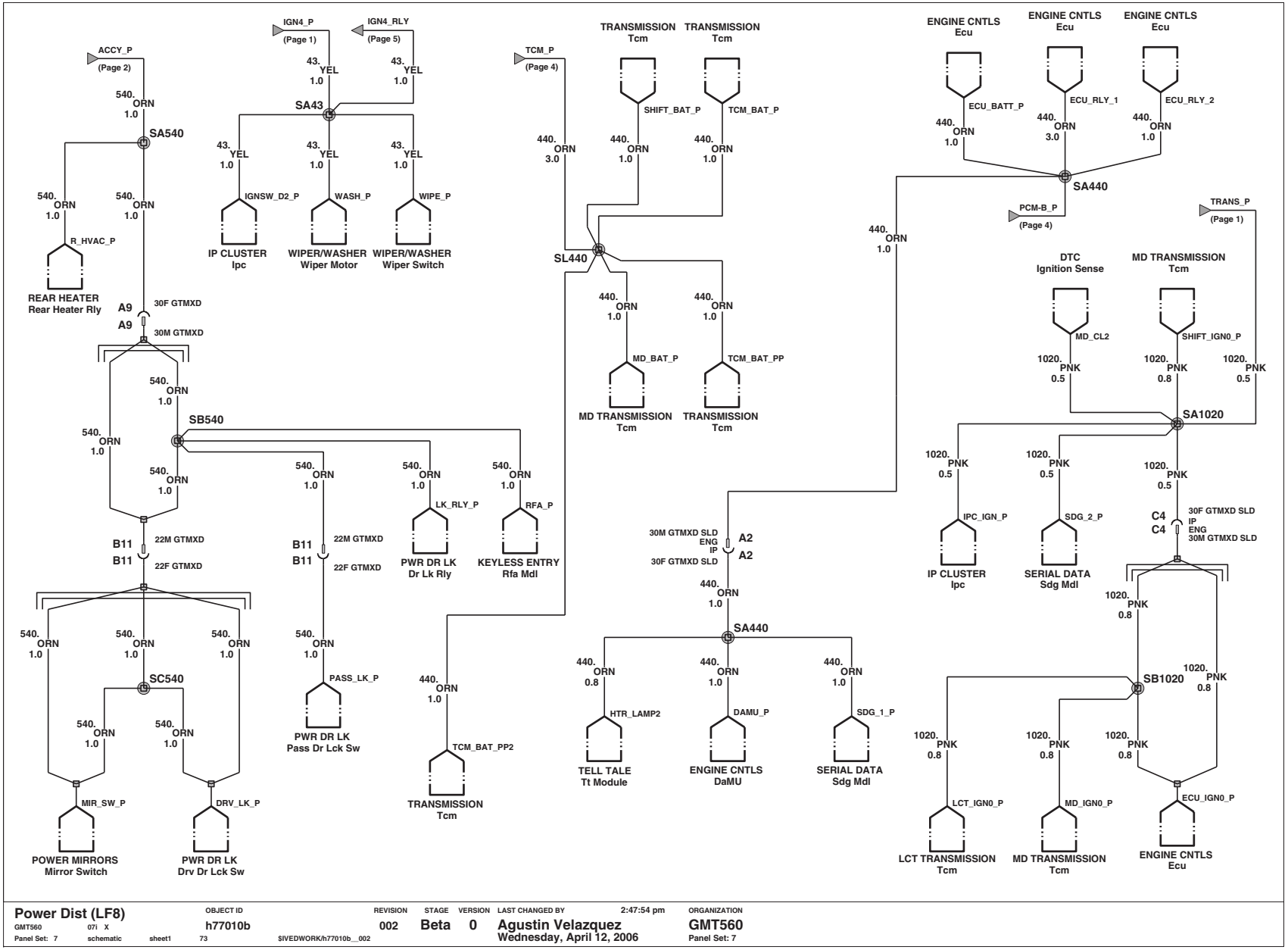


Power Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010b	002	Beta	0	Agustin Velazquez	2:47:54 pm	GMT560
Panel Set: 5 schematic sheet1 73	$IVEDWORK/h77010b__002				Wednesday, April 12, 2006		Panel Set: 5

Power Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)

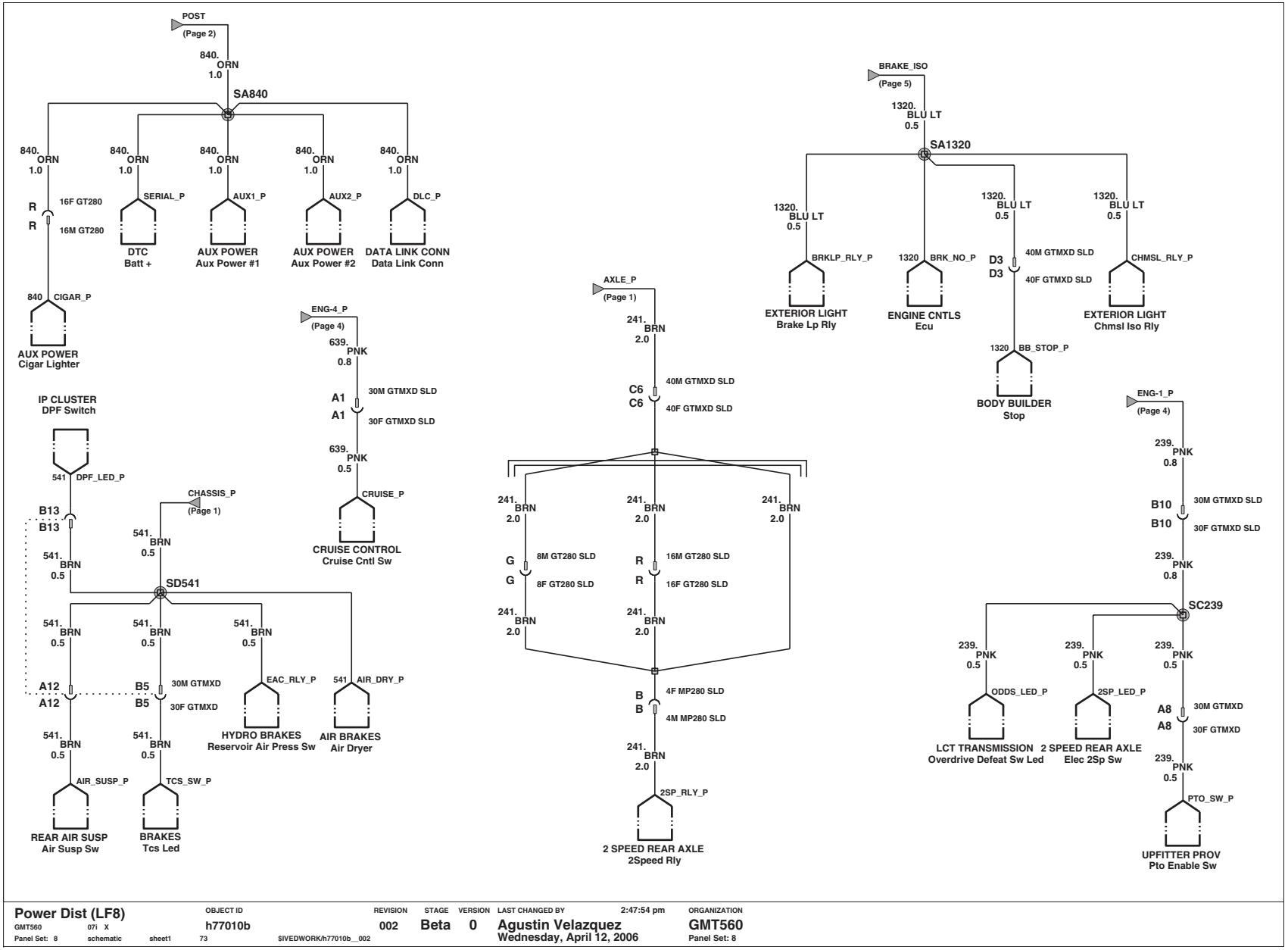


Power Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



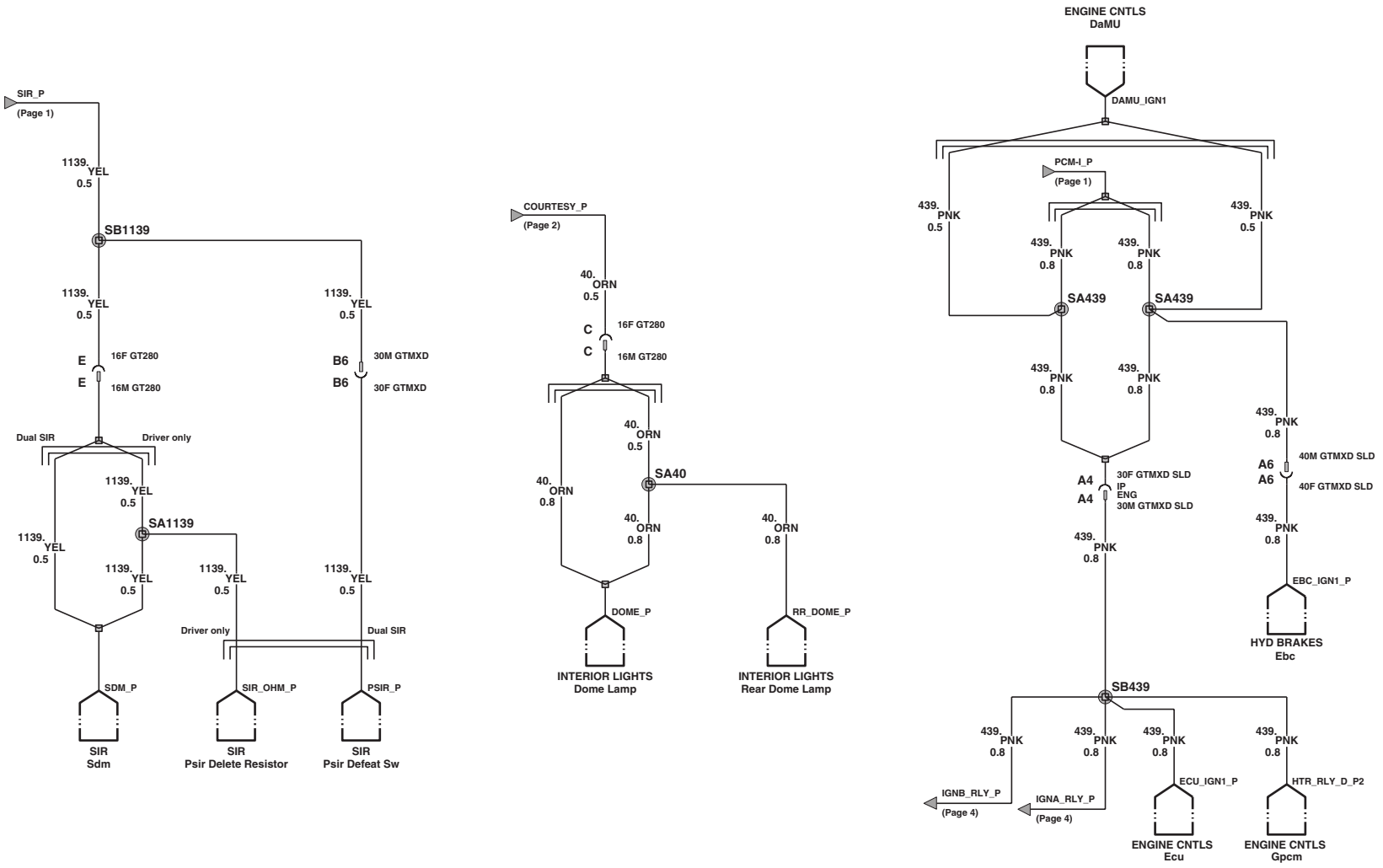
Power Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010b	002	Beta	0	Agustin Velazquez	2:47:54 pm	GMT560
Panel Set: 7 schematic sheet1 73	$IVEDWORK/h77010b__002				Wednesday, April 12, 2006		Panel Set: 7

Power Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



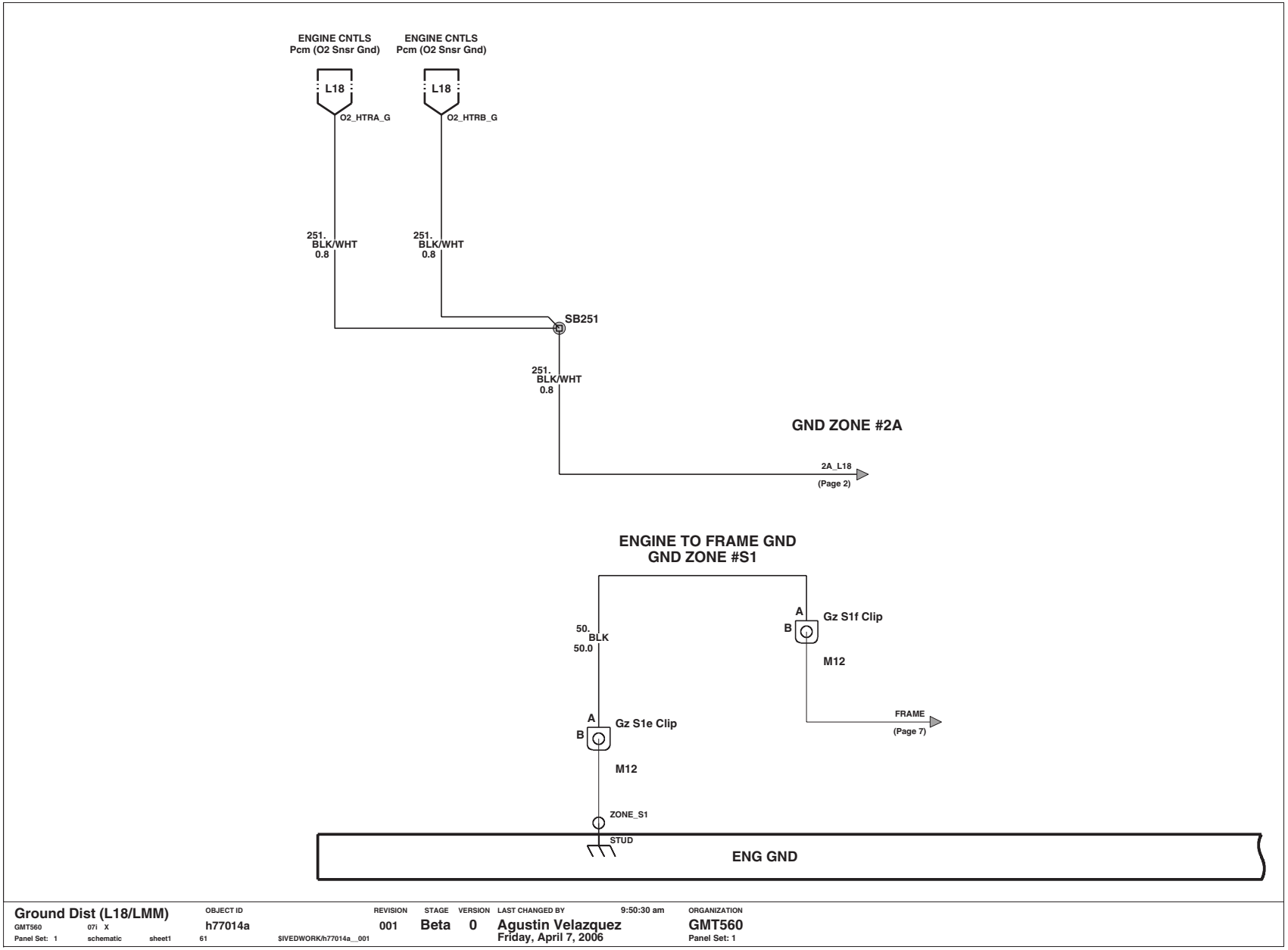
Power Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010b	002	Beta	0	Agustin Velazquez	2:47:54 pm	GMT560
Panel Set: 8 schematic sheet1 73 $IVEDWORK/h77010b__002					Wednesday, April 12, 2006		Panel Set: 8

Power Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



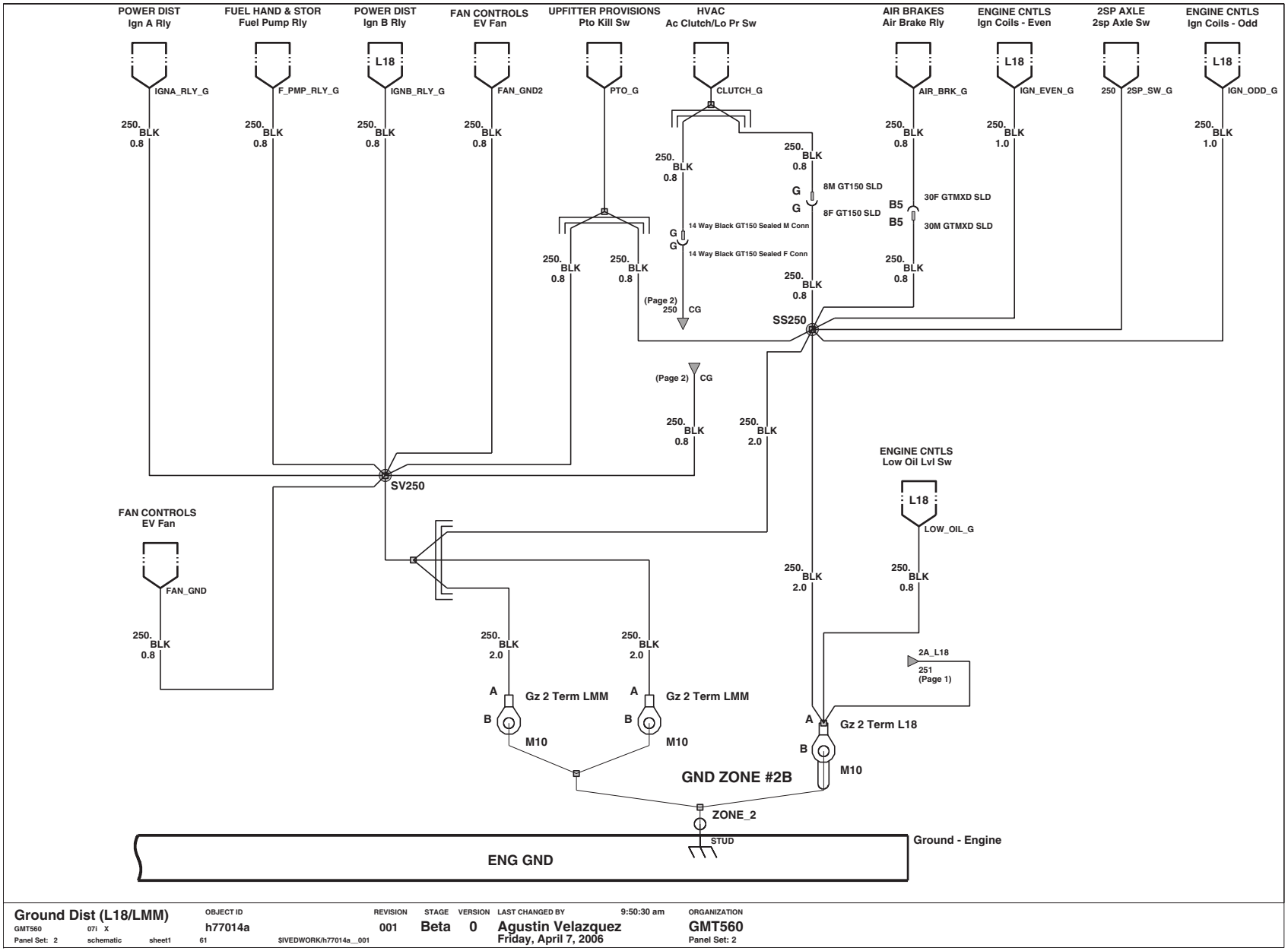
Power Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77010b	002	Beta	0	Agustin Velazquez	2:47:54 pm	GMT560
Panel Set: 9 schematic sheet1 73	$IVEDWORK/h77010b__002				Wednesday, April 12, 2006		Panel Set: 9

Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions



Ground Dist (L18/LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	9:50:30 am	ORGANIZATION
GMT560 07i X	h77014a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 61 $IVEDWORK/h77014a__001					Friday, April 7, 2006		Panel Set: 1

Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

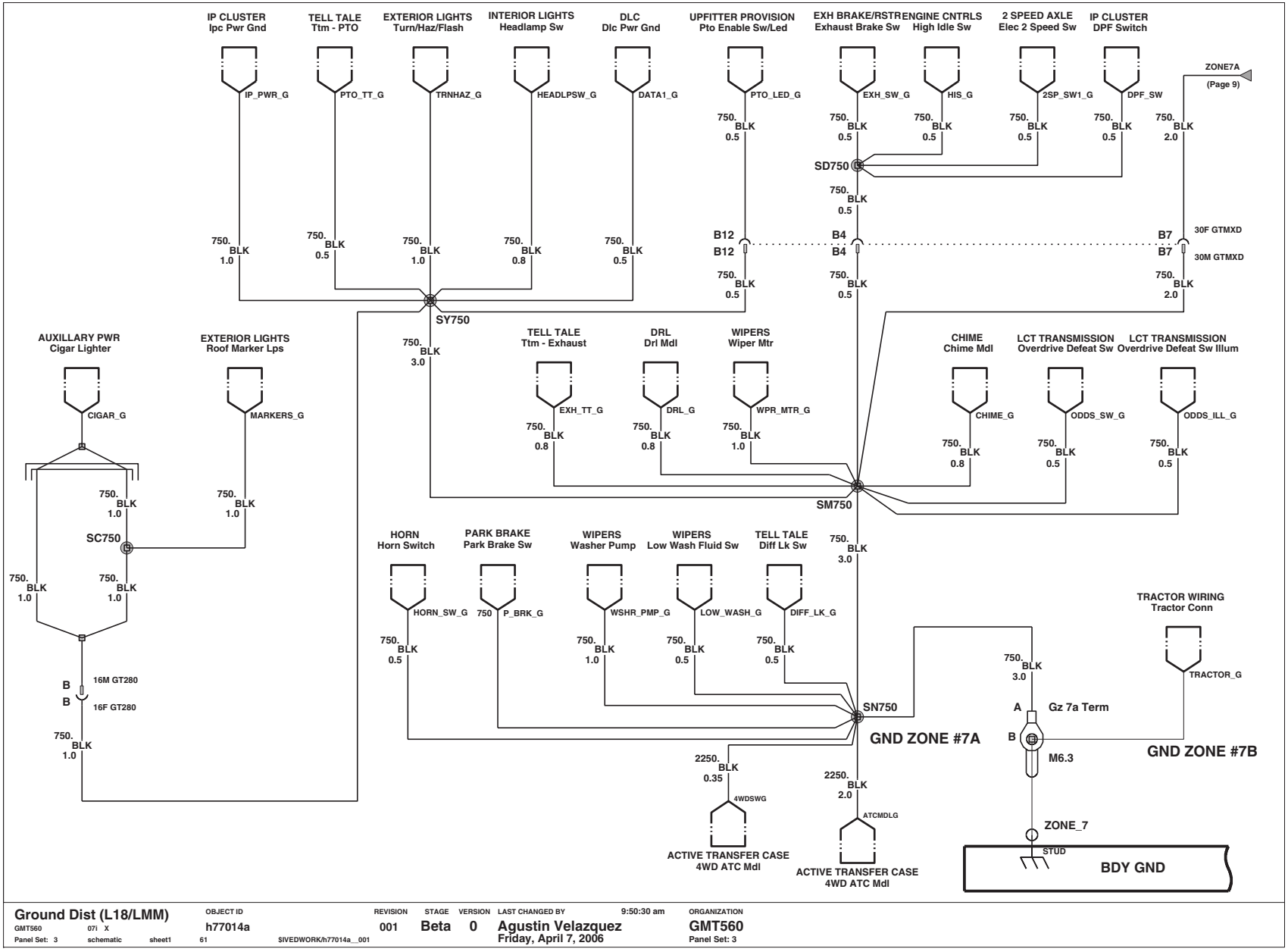


Ground Dist (L18/LMM)

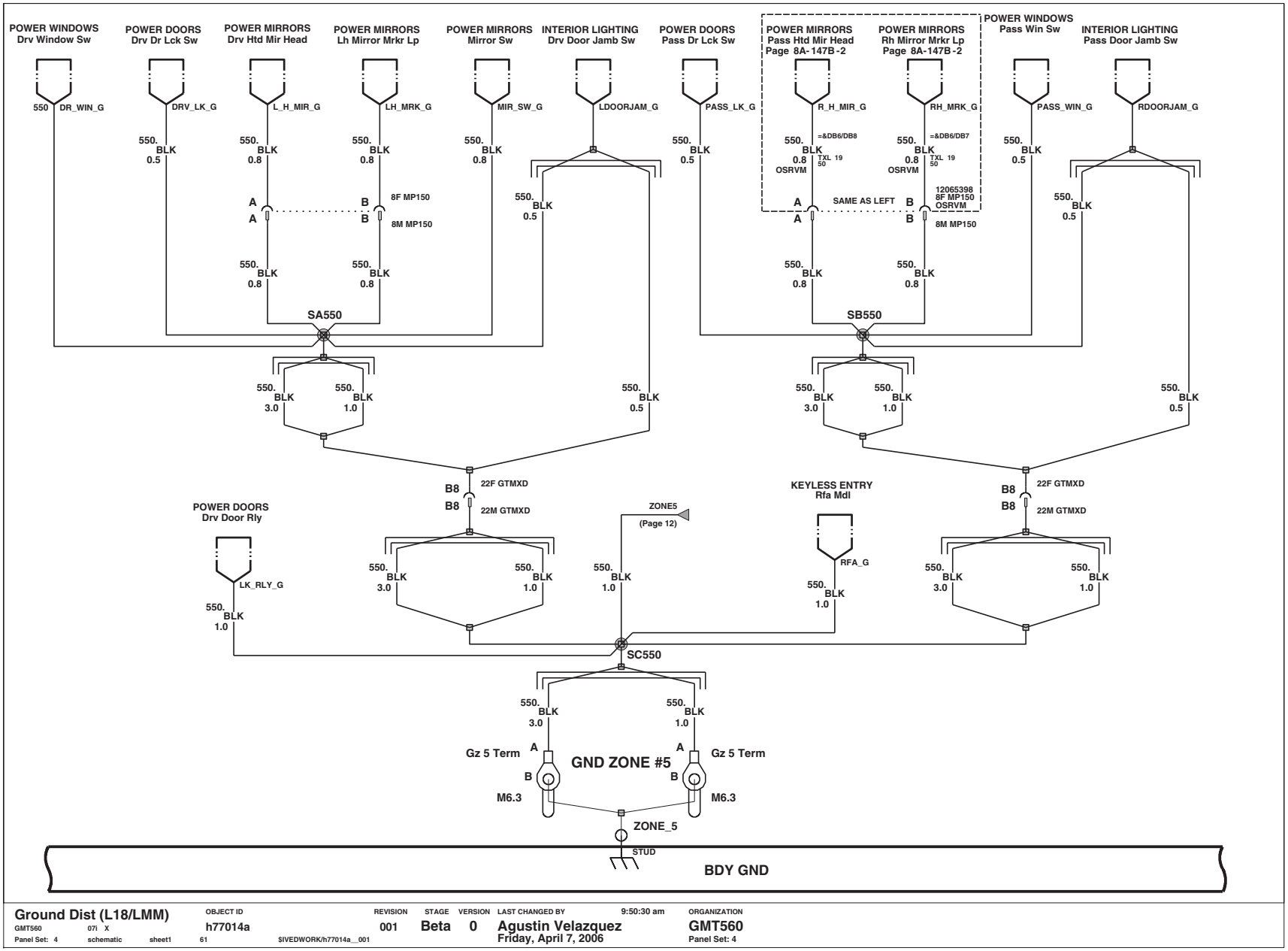
OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
h77014a	001	Beta	0	Agustin Velazquez	9:50:30 am	GMT560
				Friday, April 7, 2006		Panel Set: 2

GMT560 07i X
Panel Set: 2 schematic sheet1 61 $IVEDWORK/h77014a__001

Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

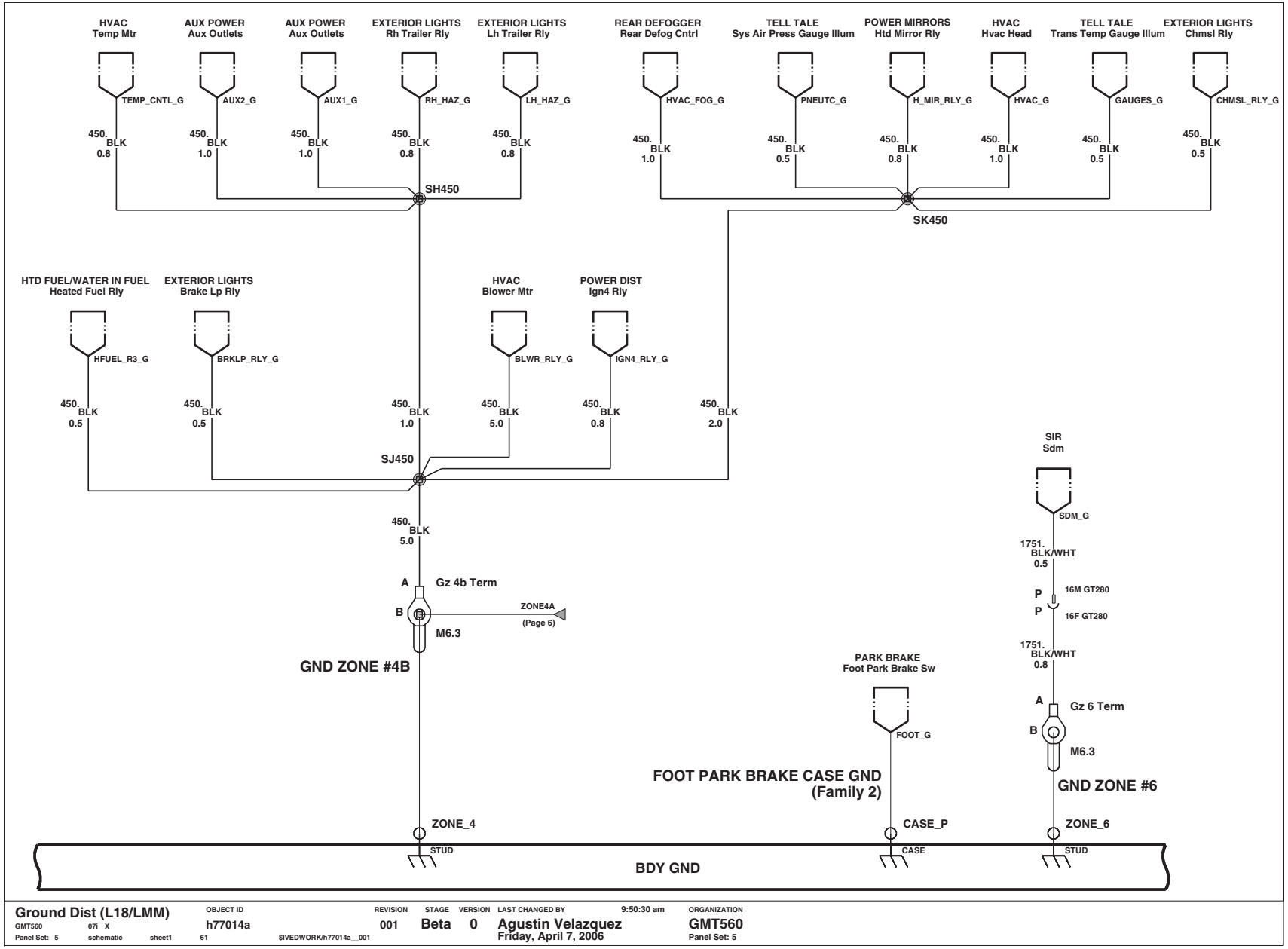


Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

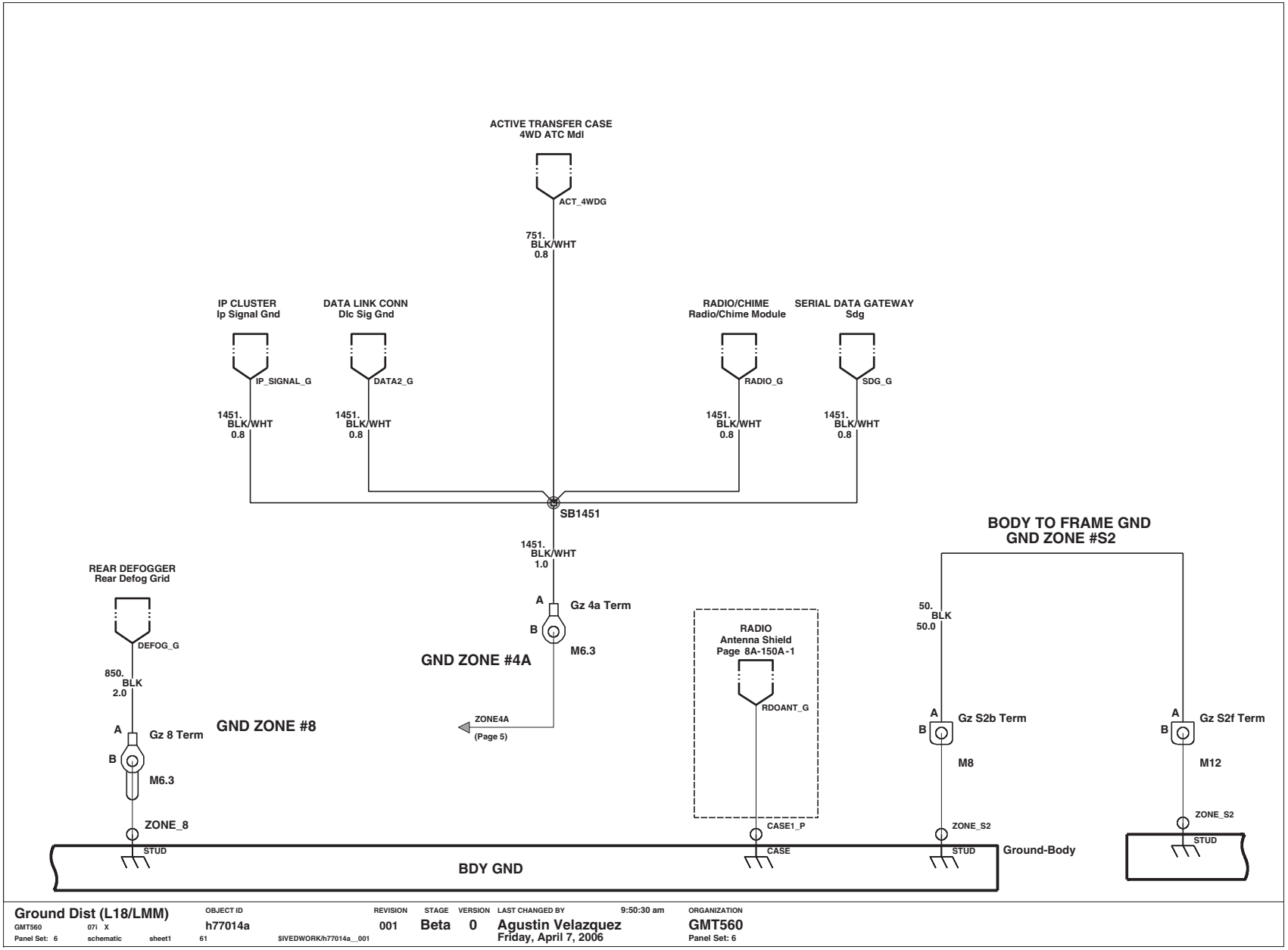


Ground Dist (L18/LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77014a	001	Beta	0	Agustin Velazquez	9:50:30 am	GMT560
Panel Set: 4 schematic sheet1 61	$IVEDWORK/h77014a__001				Friday, April 7, 2006		Panel Set: 4

Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

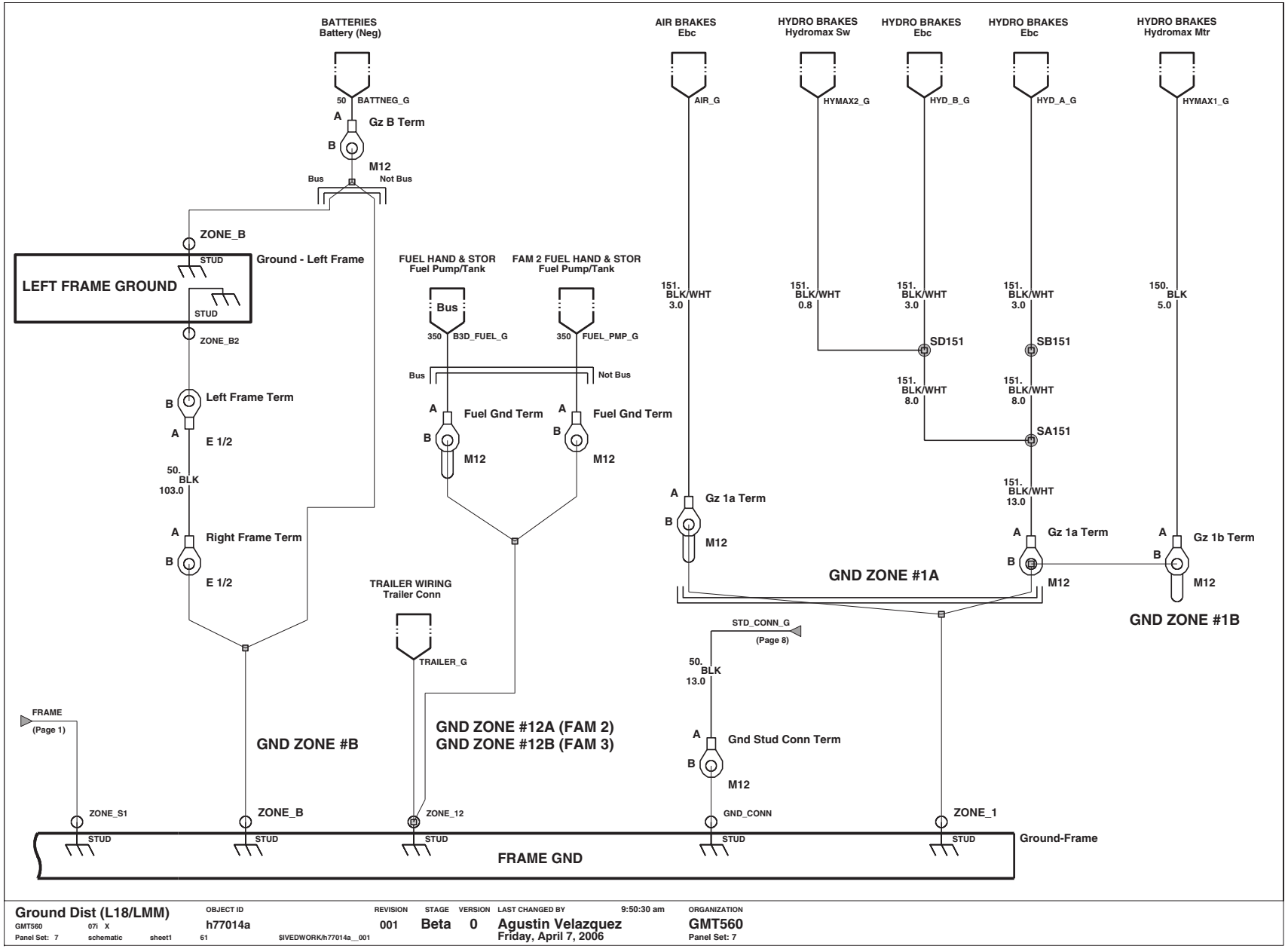


Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

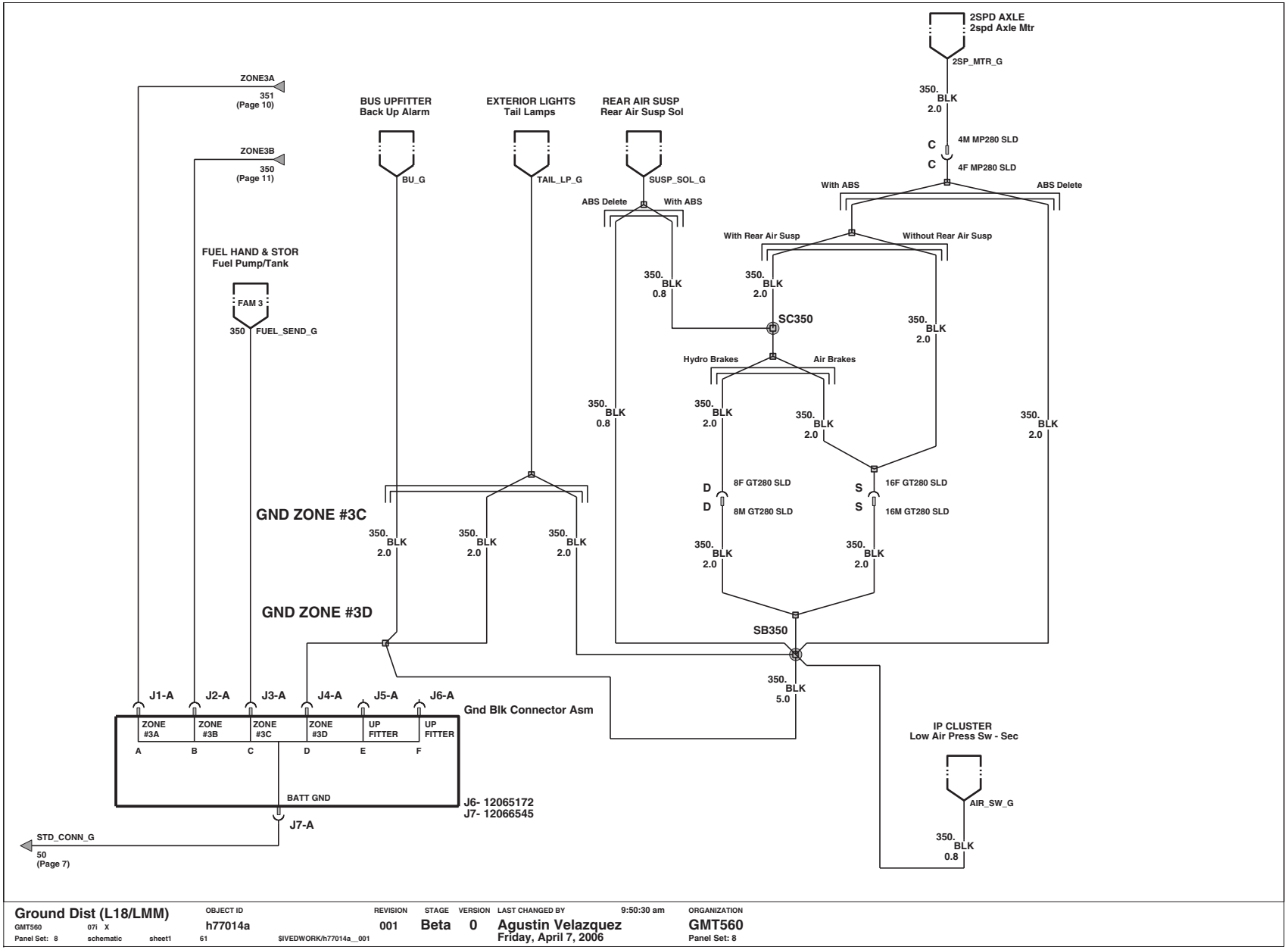


Ground Dist (L18/LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	9:50:30 am	ORGANIZATION
GMT560 07i X	h77014a	001	Beta	0	Agustin Velazquez		GMT560
Panel Set: 6 schematic sheet1 61 $IVEDWORK/h77014a__001					Friday, April 7, 2006		Panel Set: 6

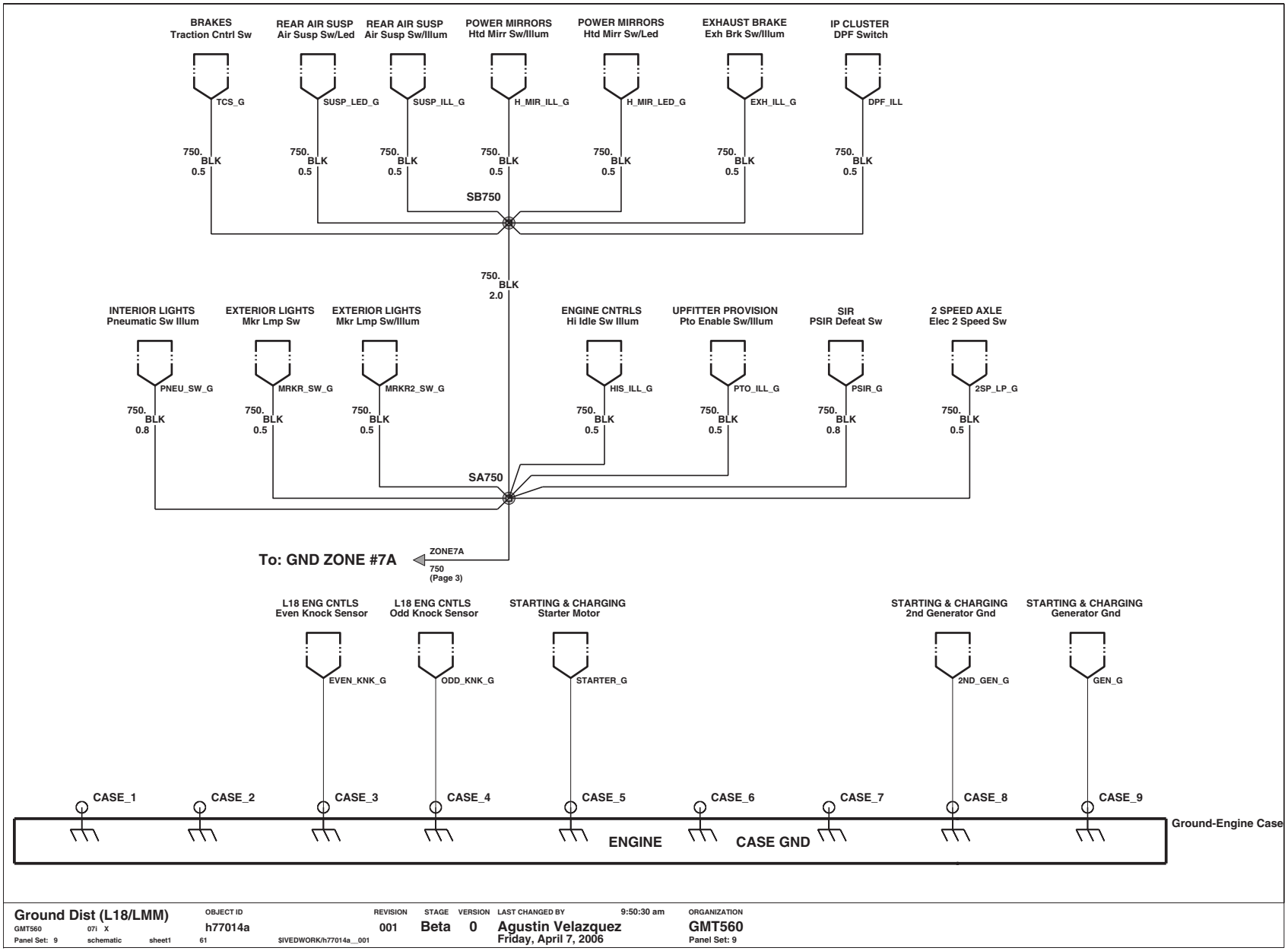
Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



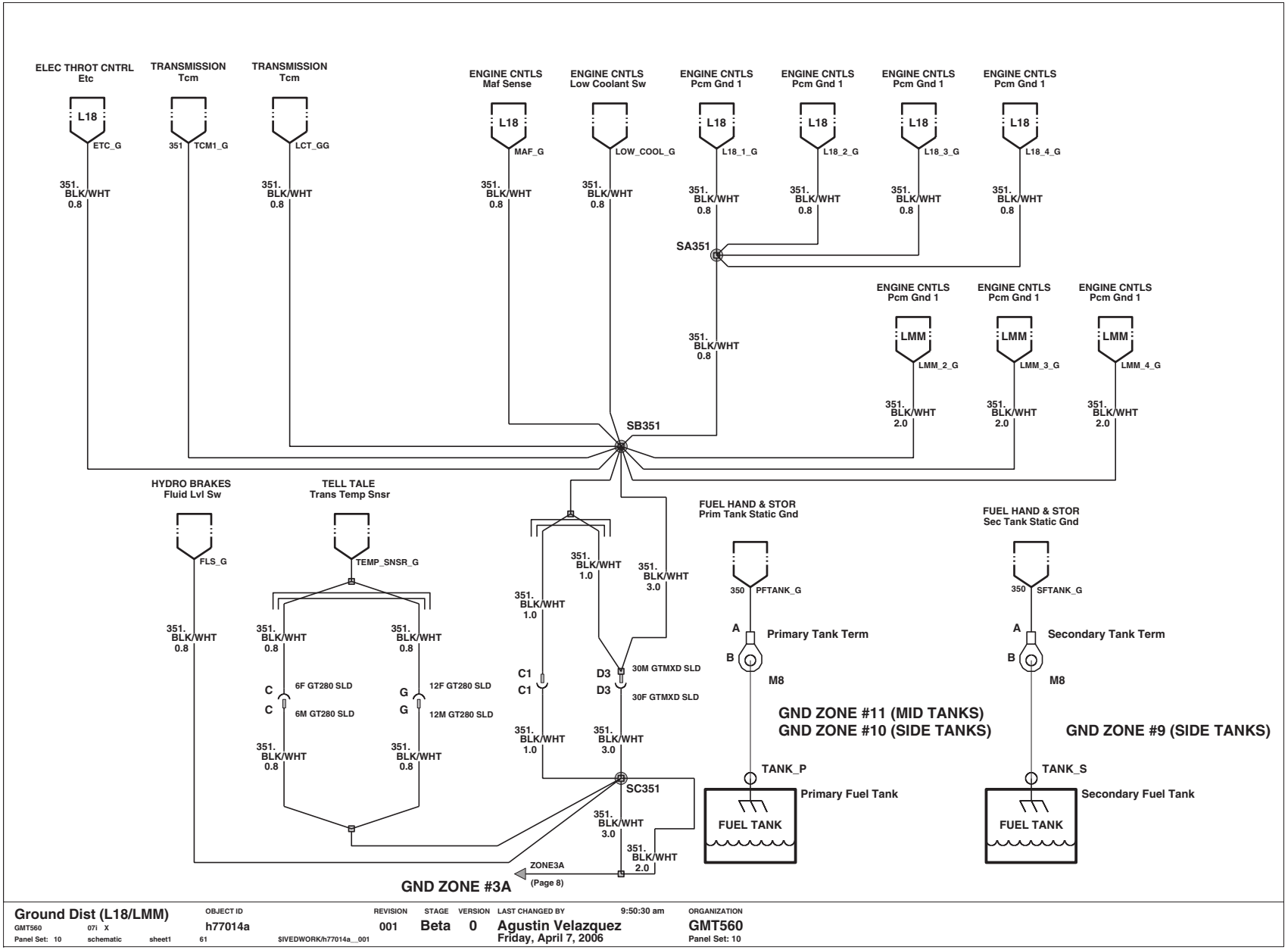
Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



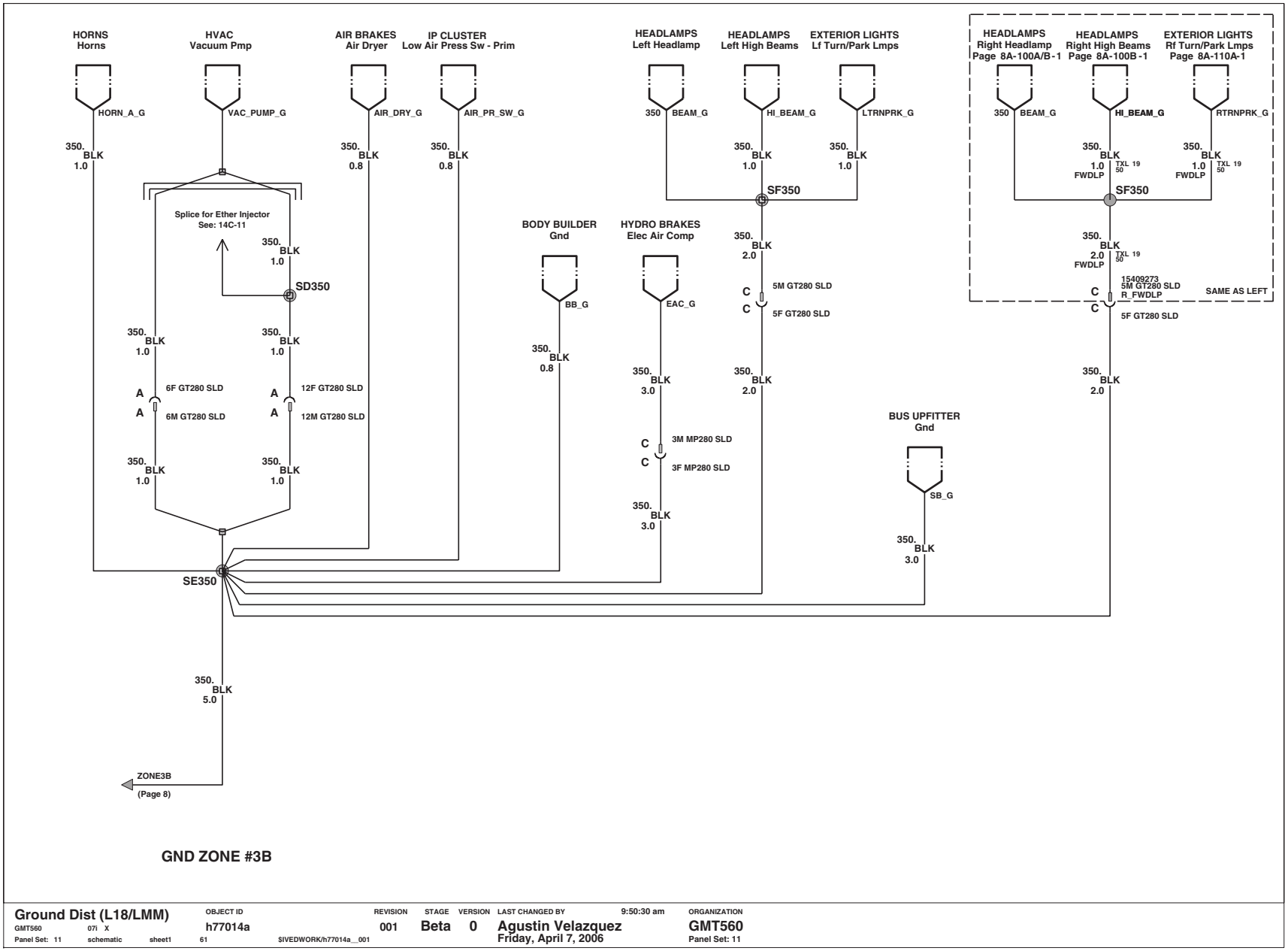
Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



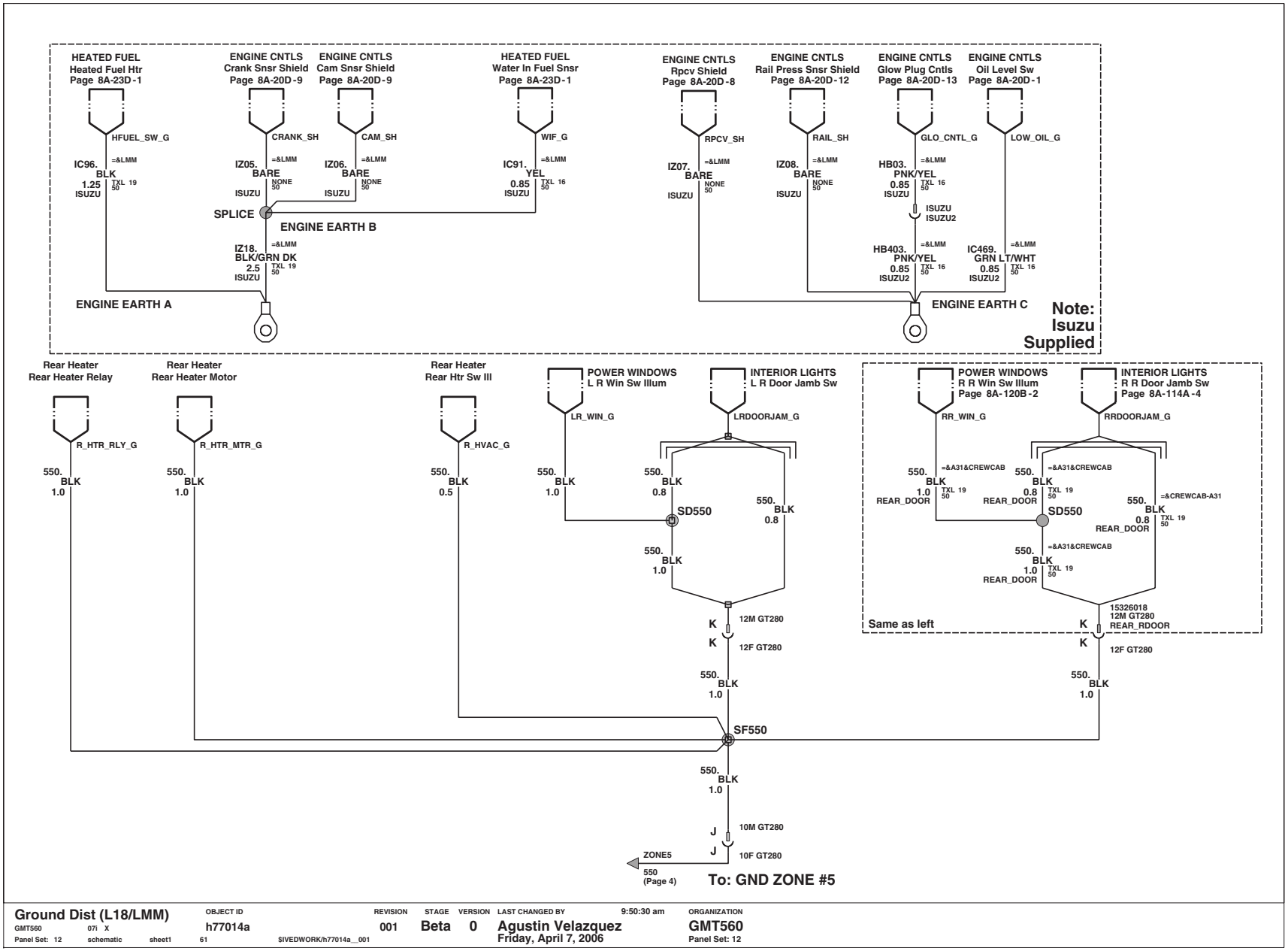
Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

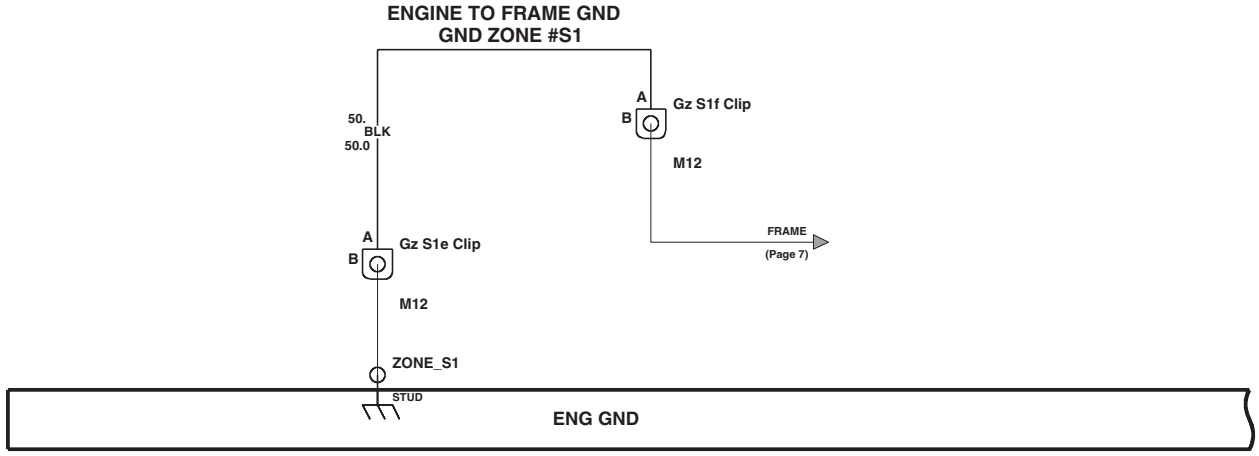


Ground Distribution (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



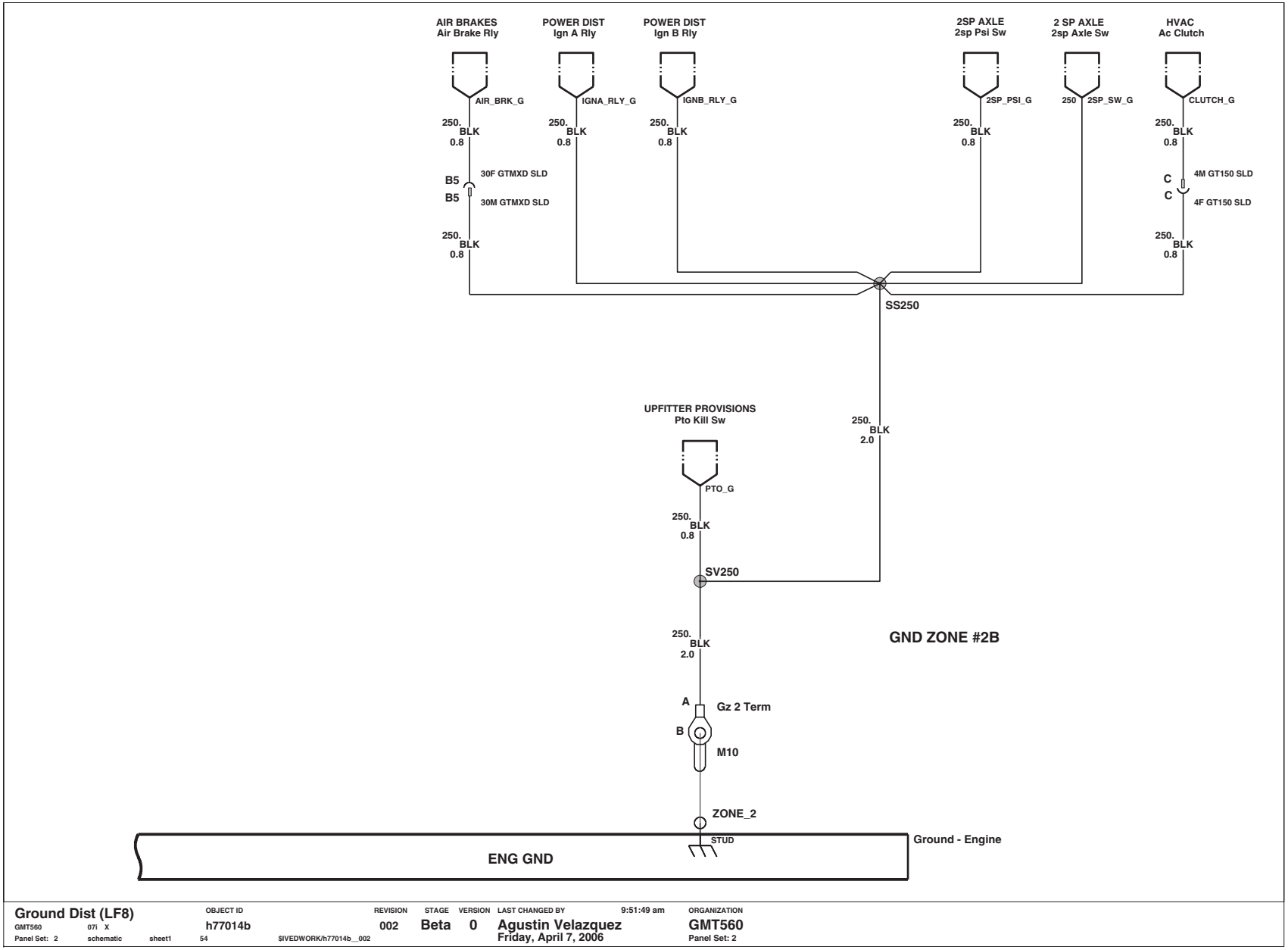
Ground Dist (L18/LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77014a	001	Beta	0	Agustin Velazquez	9:50:30 am	GMT560
Panel Set: 12 schematic sheet1 61	$IVEDWORK/h77014a__001				Friday, April 7, 2006		Panel Set: 12

Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Dieselw/2007i Emissions

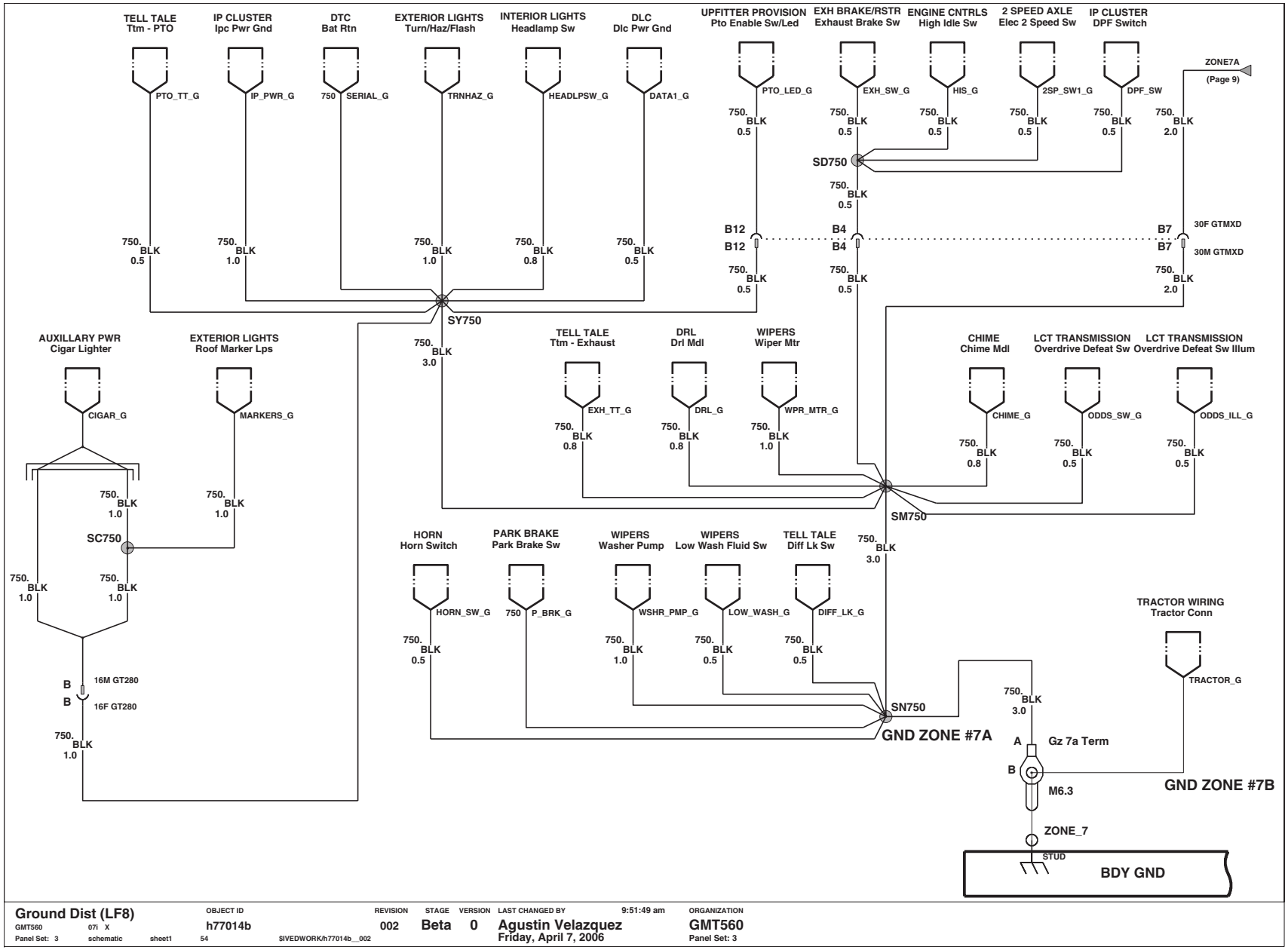


Ground Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	9:51:49 am	ORGANIZATION
GMT560 07i X	h77014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 1 schematic sheet1 54	$IVEDWORK/h77014b__002				Friday, April 7, 2006		Panel Set: 1

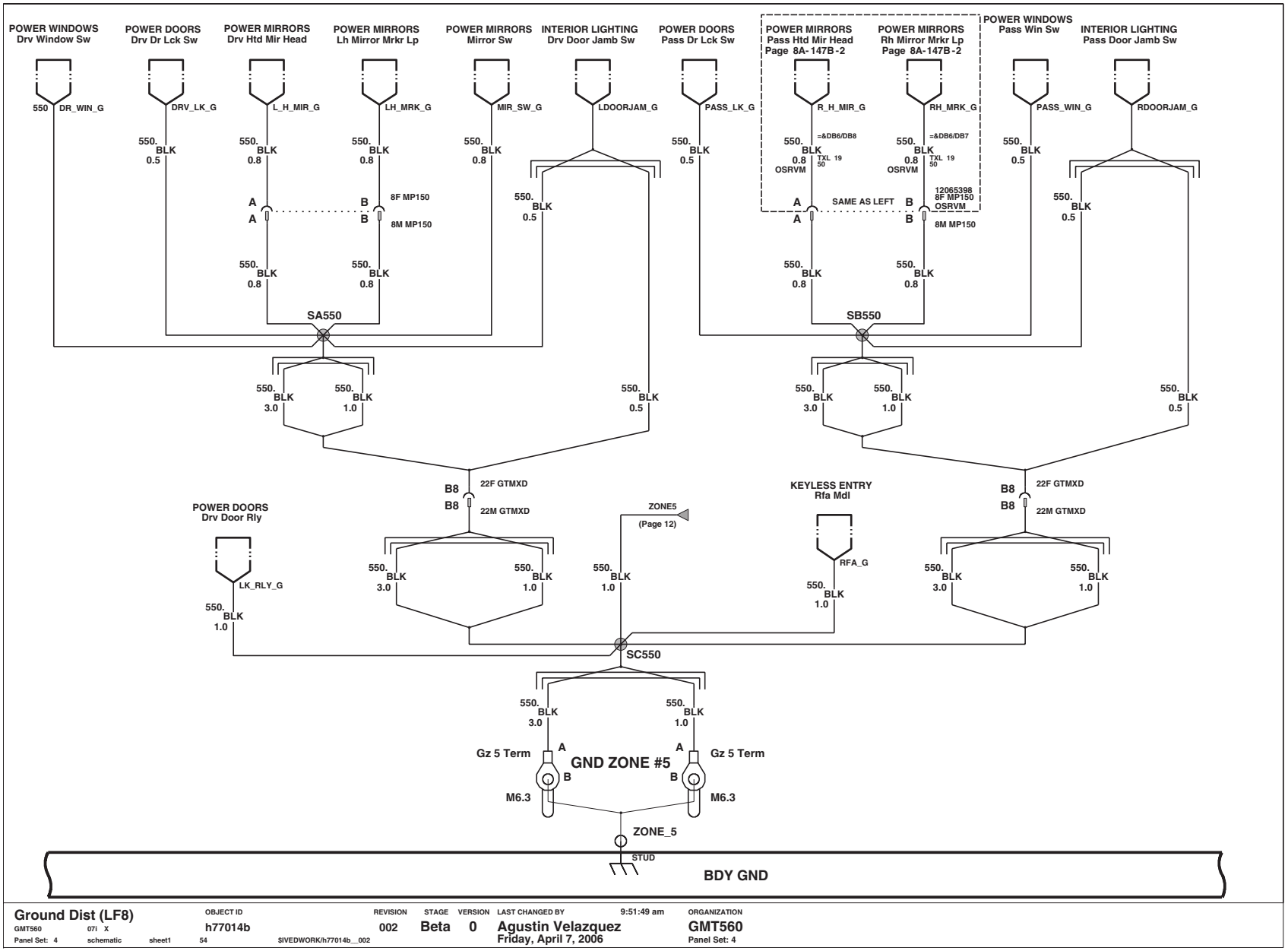
Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)

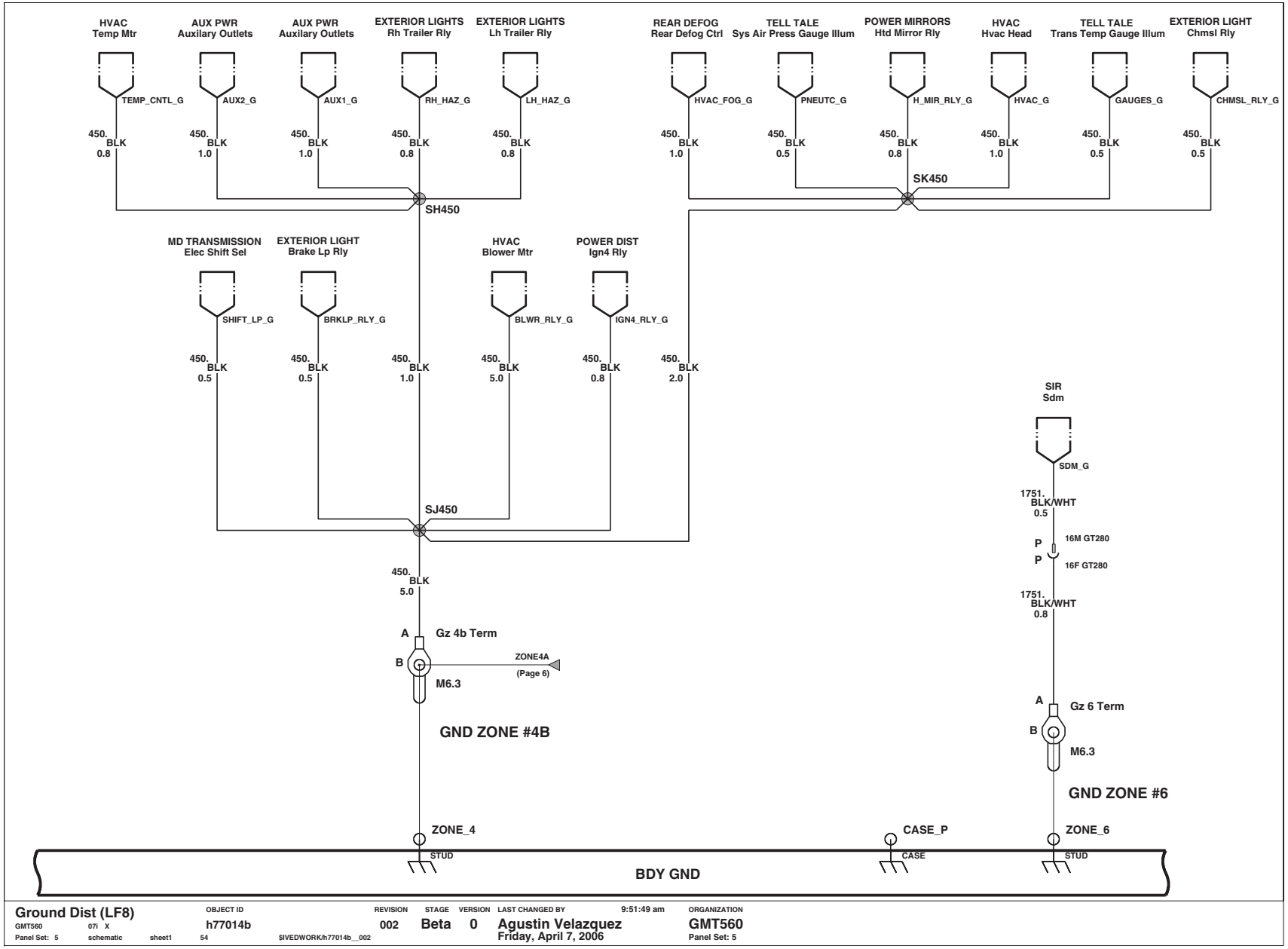


Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)

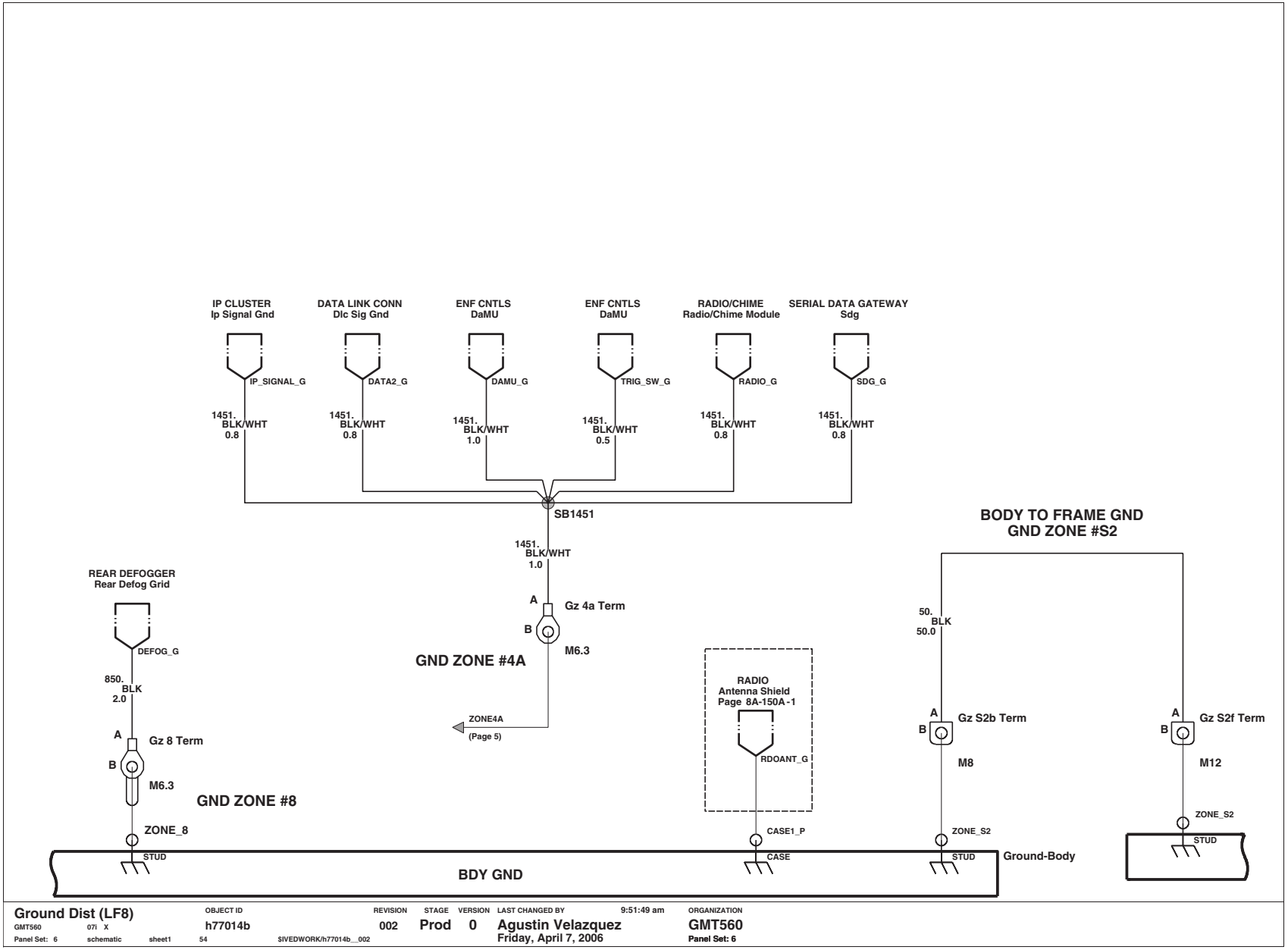


Ground Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	9:51:49 am	ORGANIZATION
GMT560 07i X	h77014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 4 schematic sheet1 54	$IVEDWORK/h77014b__002				Friday, April 7, 2006		Panel Set: 4

Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)

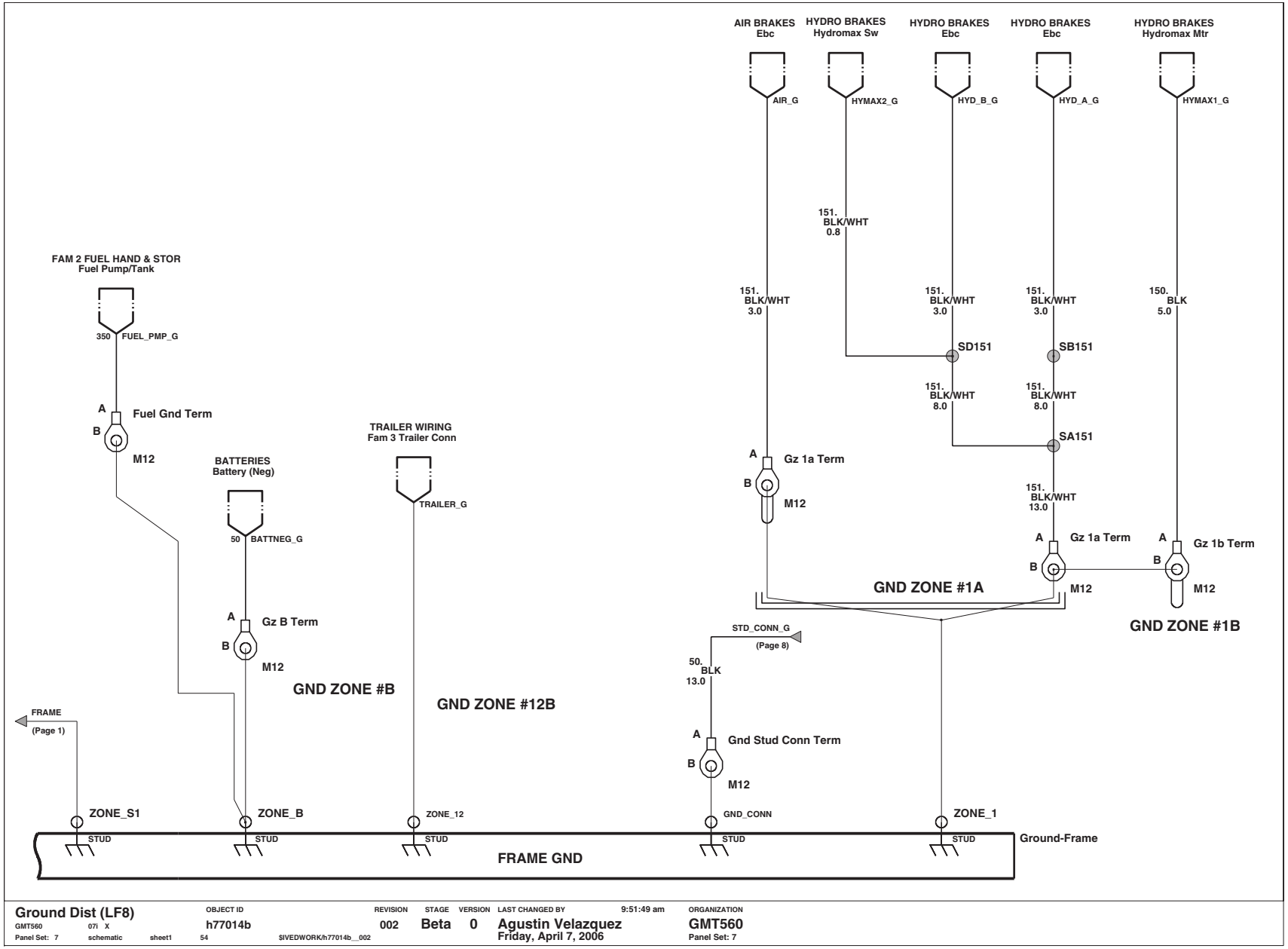


Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)

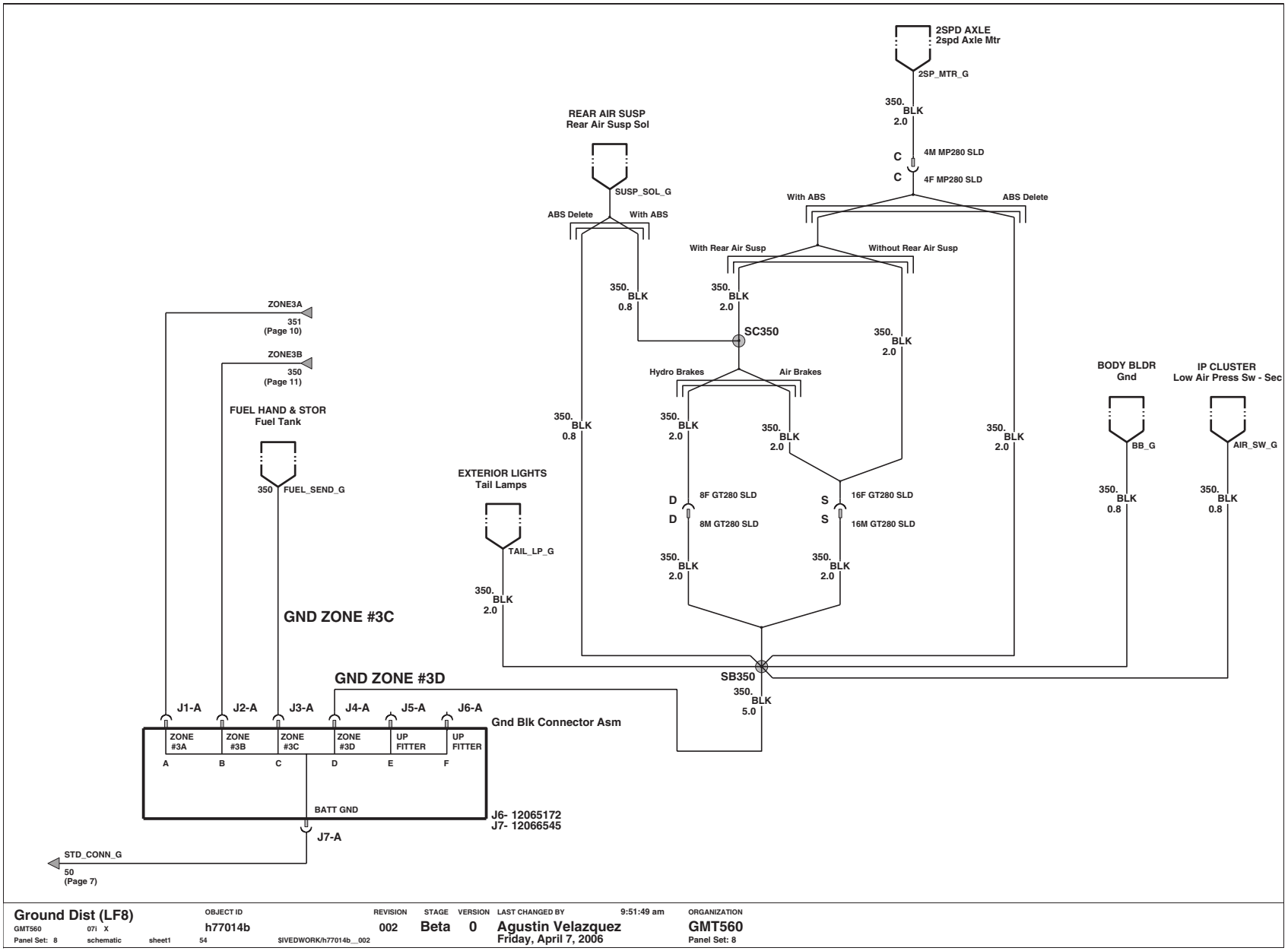


Ground Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77014b	002	Prod	0	Agustin Velazquez	9:51:49 am	GMT560
Panel Set: 6 schematic sheet1 54 $IVEDWORK/h77014b__002					Friday, April 7, 2006		Panel Set: 6

Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)

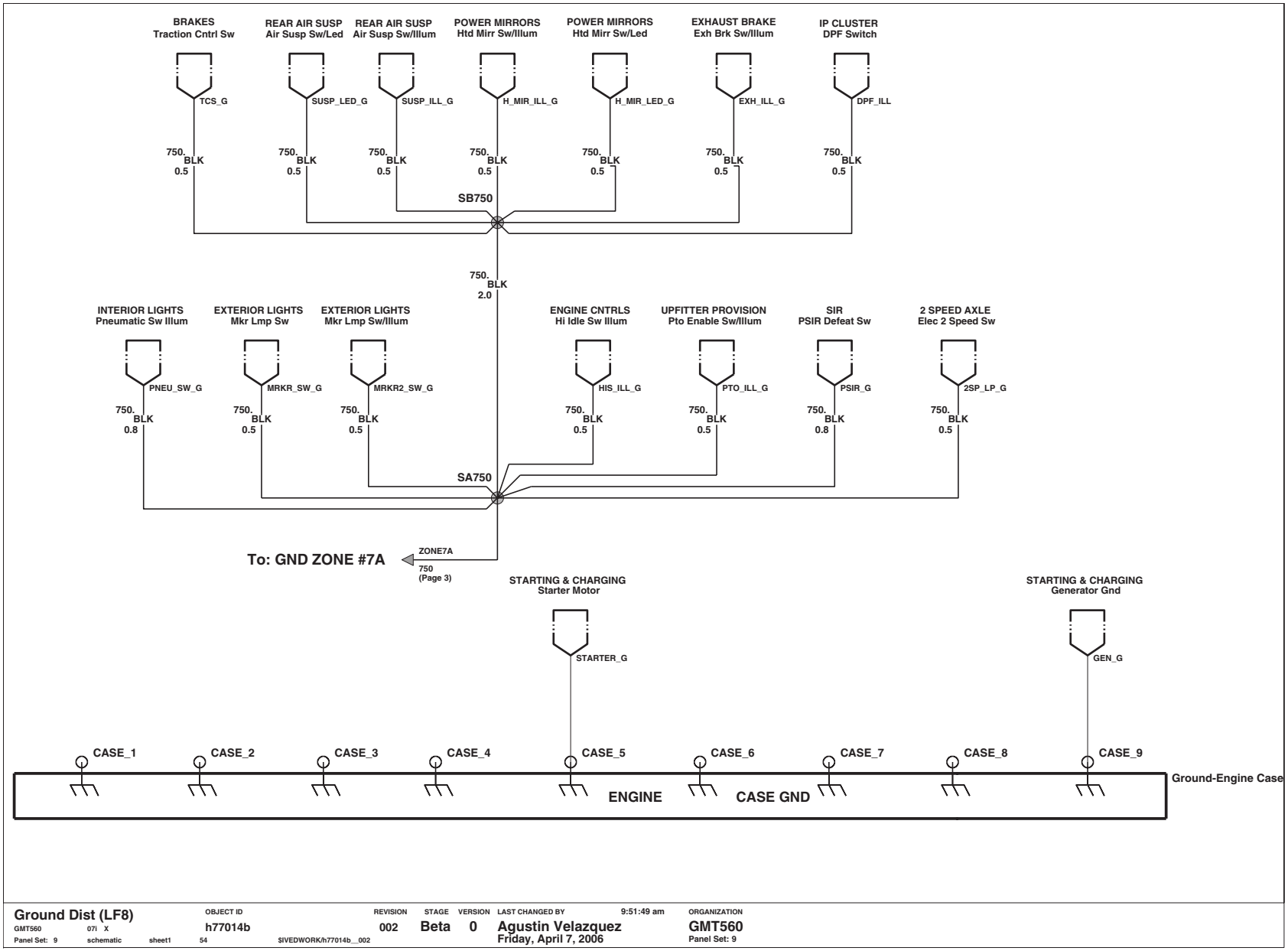


Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)

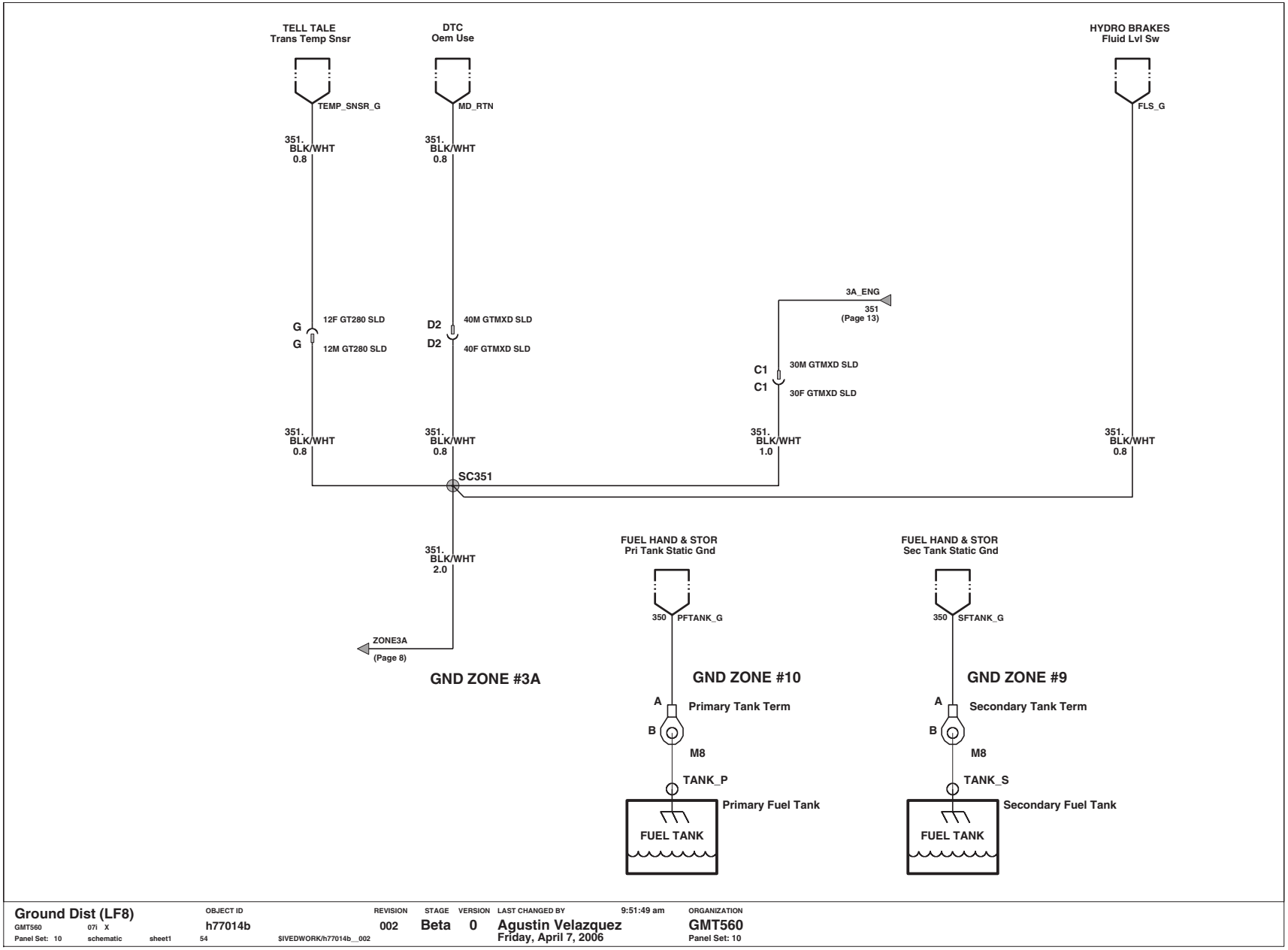


Ground Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	9:51:49 am	ORGANIZATION
GMT560 07i X	h77014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 8 schematic sheet1 54	$IVEDWORK/h77014b__002				Friday, April 7, 2006		Panel Set: 8

Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)

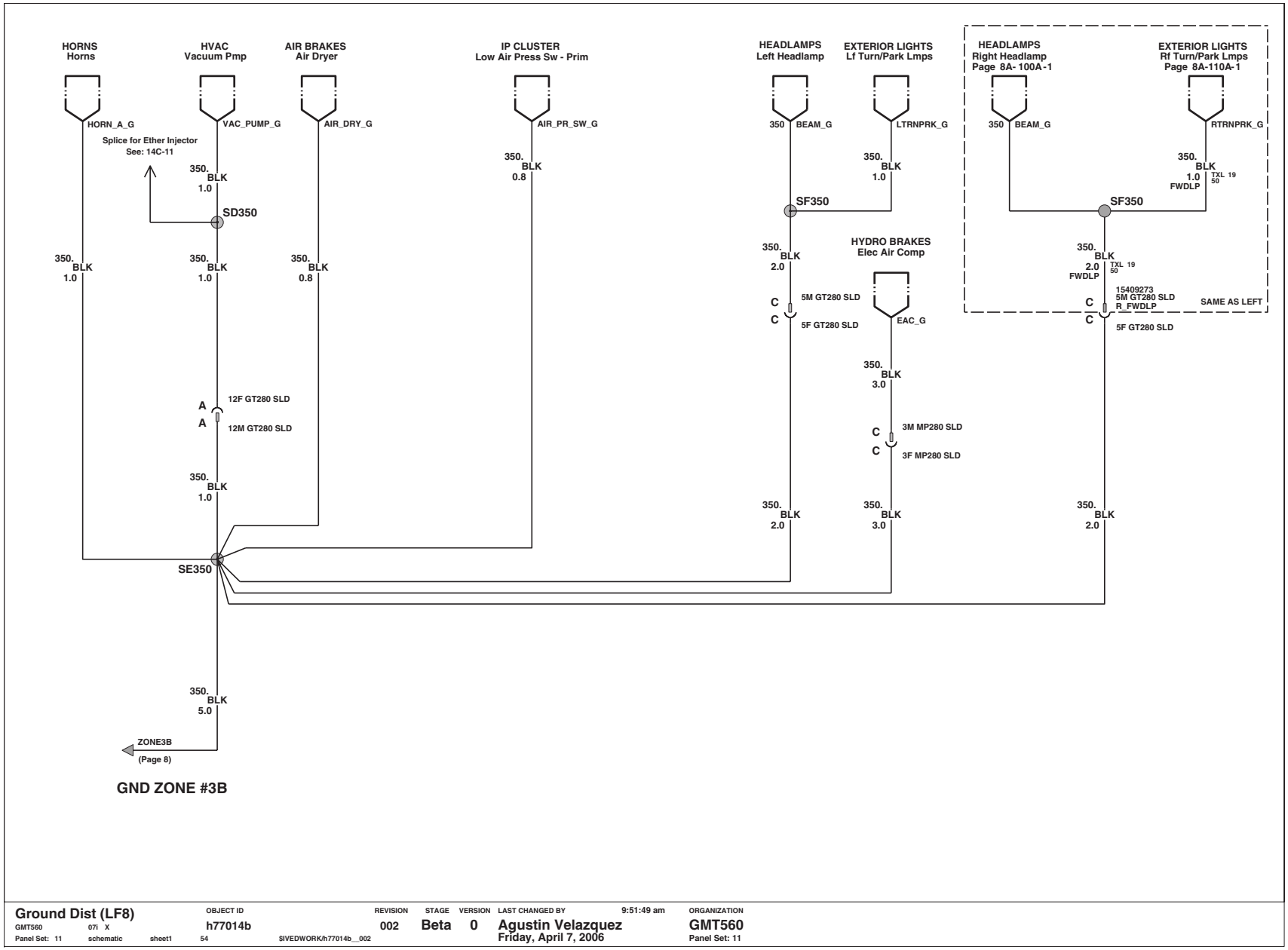


Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



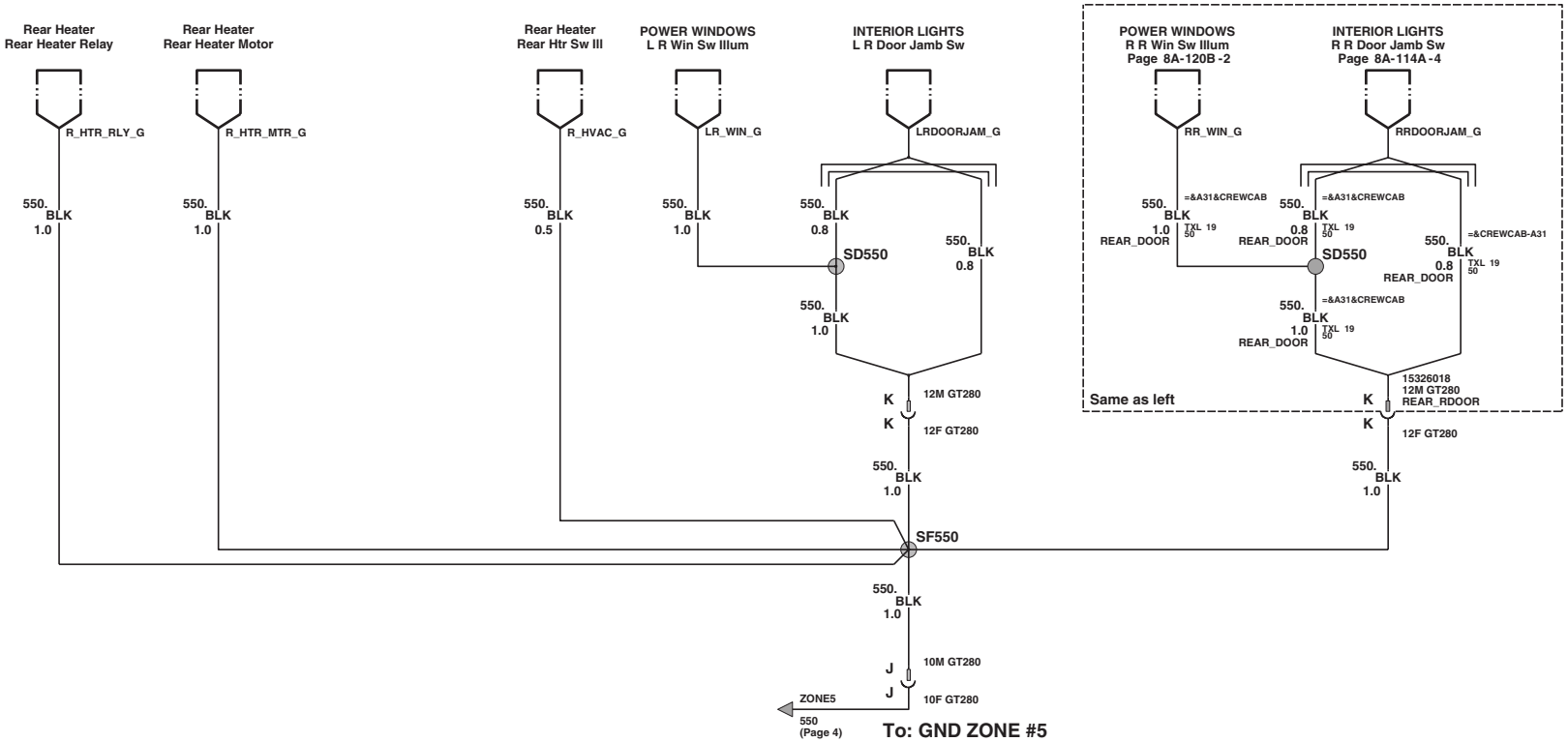
Ground Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	9:51:49 am	ORGANIZATION
GMT560 07i X	h77014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 10 schematic sheet1 54	$IVEDWORK/h77014b__002				Friday, April 7, 2006		Panel Set: 10

Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



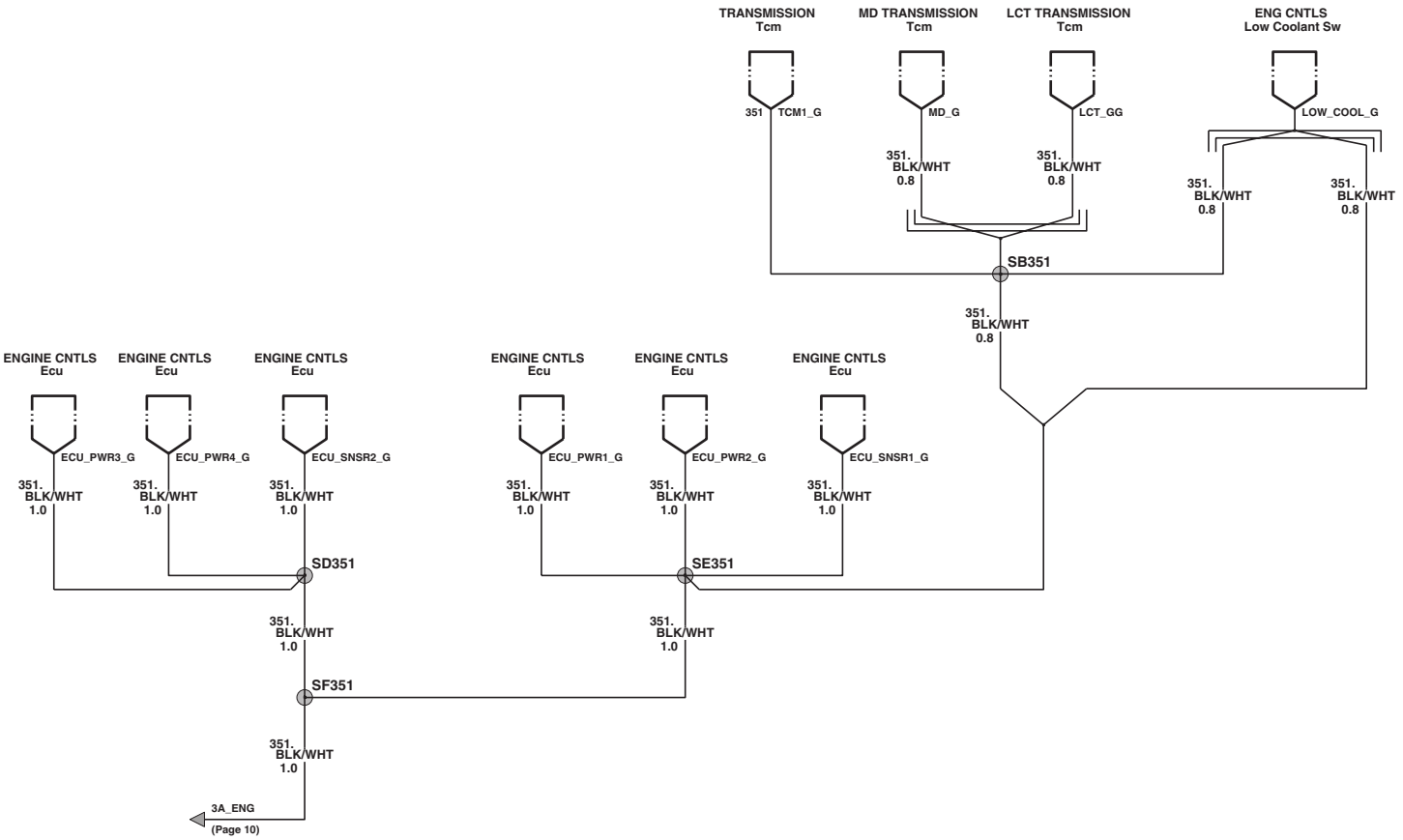
Ground Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	9:51:49 am	ORGANIZATION
GMT560 07i X	h77014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 11 schematic sheet1 54	$\VEDWORK\h77014b__002				Friday, April 7, 2006		Panel Set: 11

Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



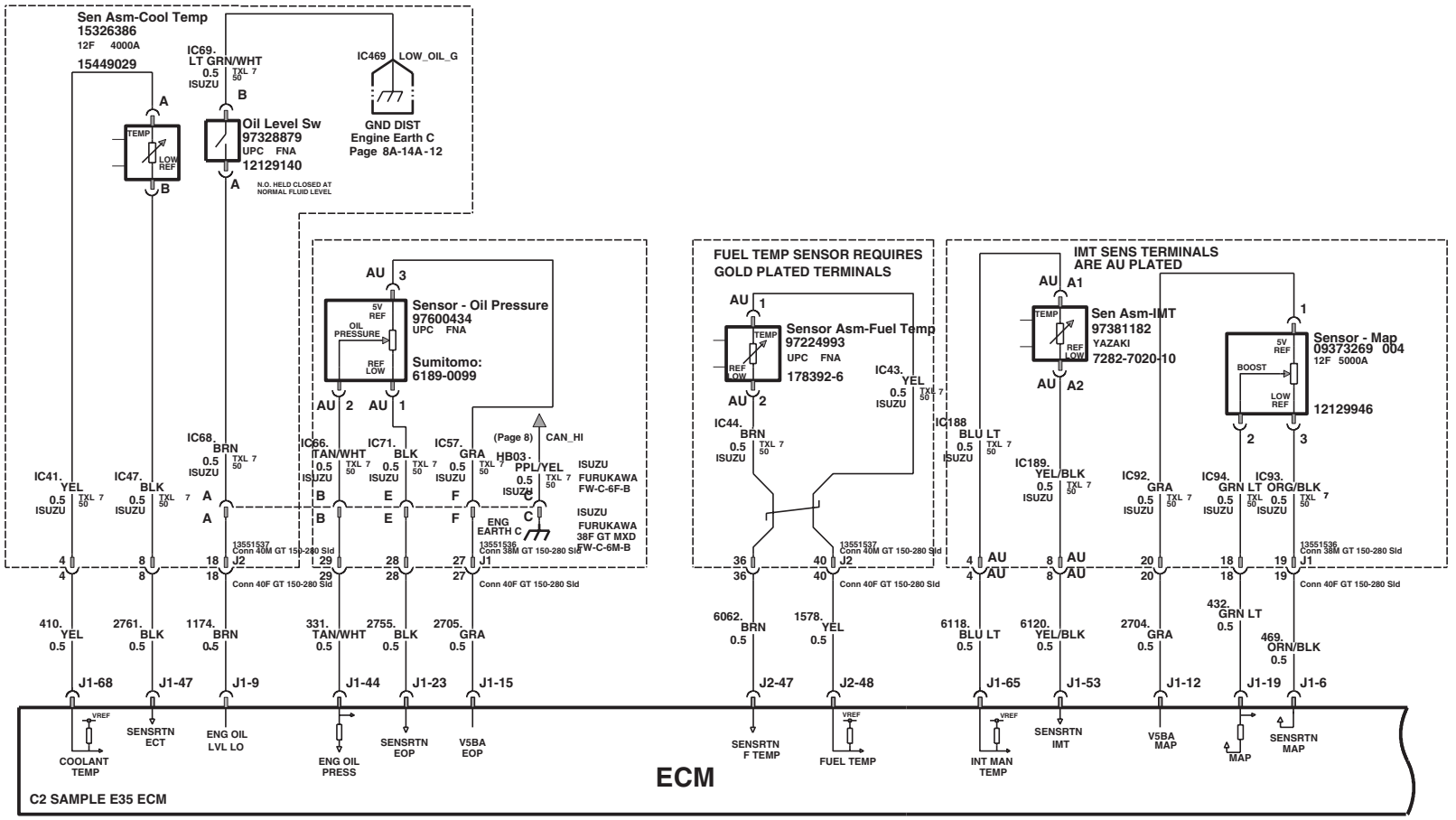
Ground Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	9:51:49 am	ORGANIZATION
GMT560 07i X	h77014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 12 schematic sheet1 54	$IVEDWORK/h77014b__002				Friday, April 7, 2006		Panel Set: 12

Ground Distribution (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



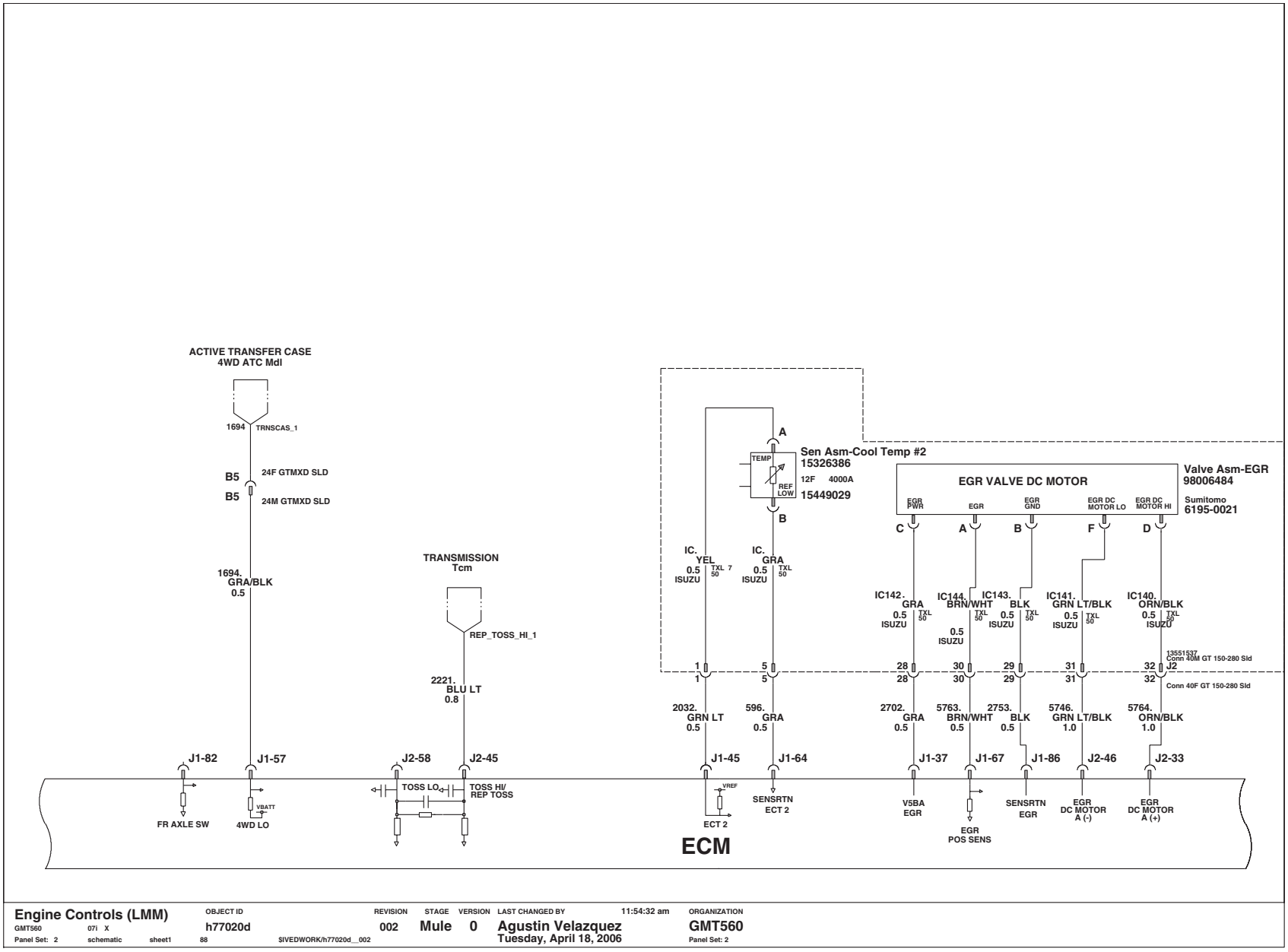
Ground Dist (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	9:51:49 am	ORGANIZATION
GMT560 07i X	h77014b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 13 schematic sheet1 54	$IVEDWORK/h77014b__002				Friday, April 7, 2006		Panel Set: 13

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions



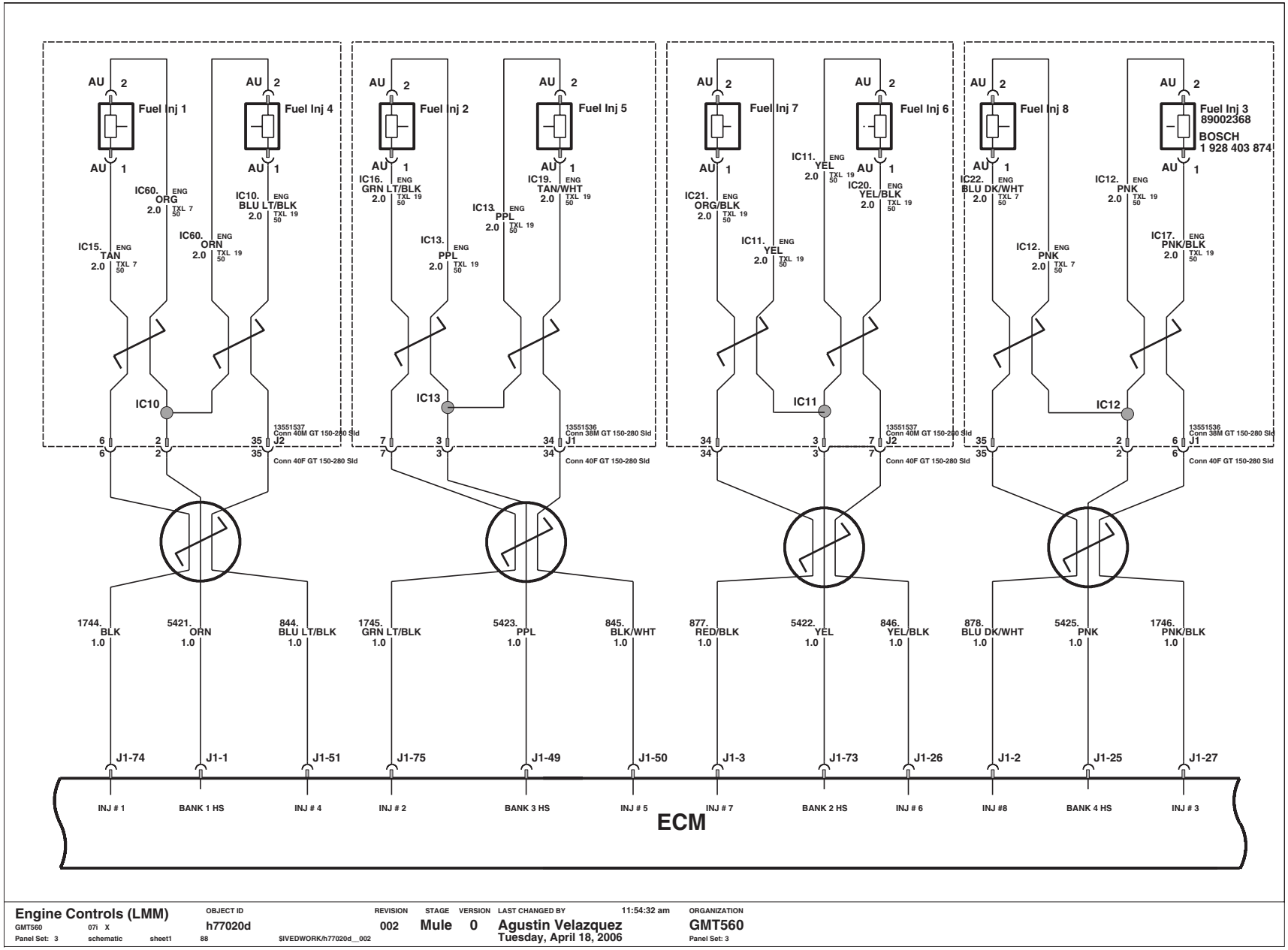
Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez	11:54:32 am	GMT560
Panel Set: 1 schematic sheet1 88	$IVEDWORK/h77020d__002				Tuesday, April 18, 2006		Panel Set: 1

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



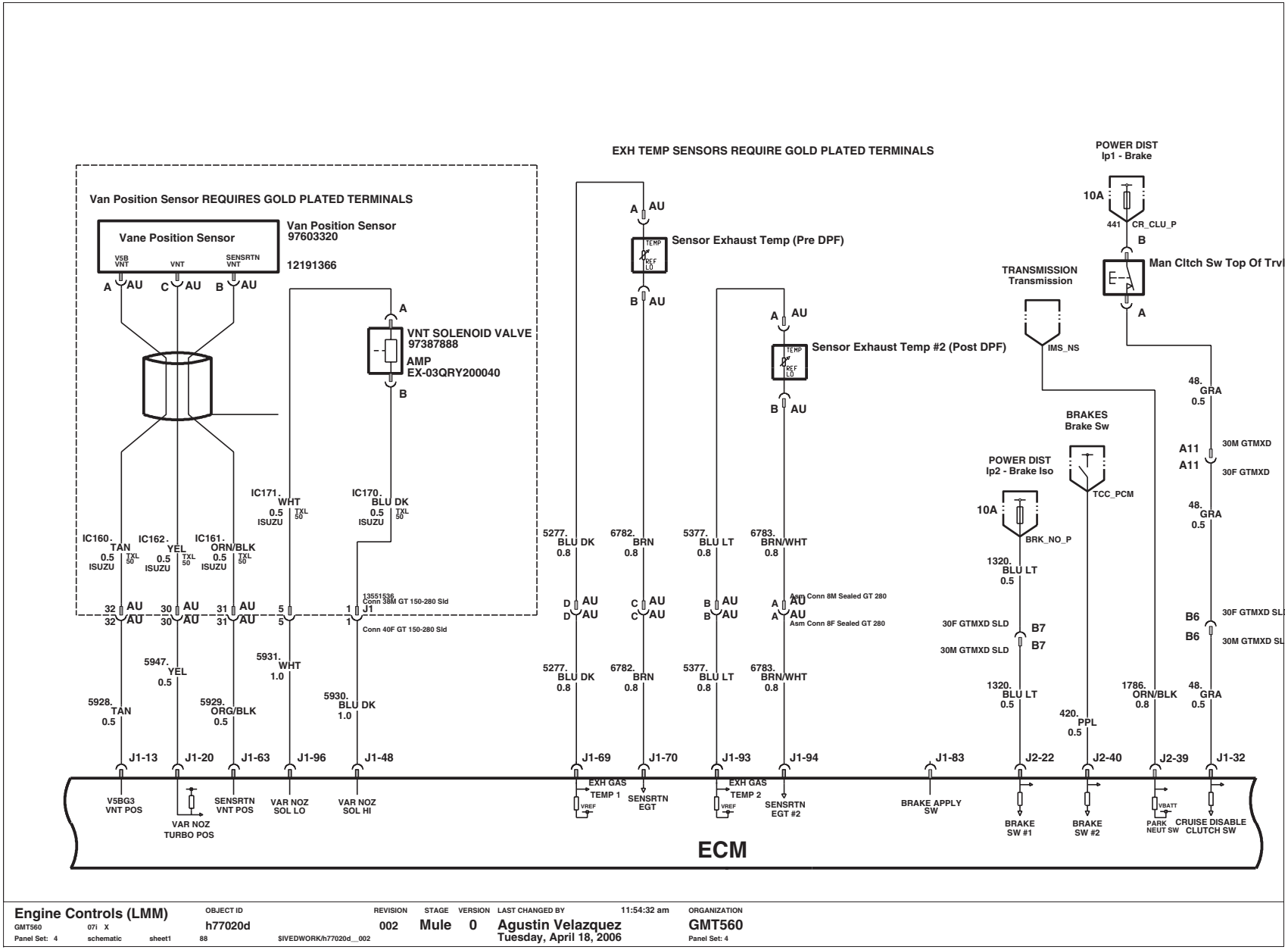
Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez	11:54:32 am	GMT560
Panel Set: 2 schematic sheet1 88	SIVEDWORK/h77020d__002				Tuesday, April 18, 2006		Panel Set: 2

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



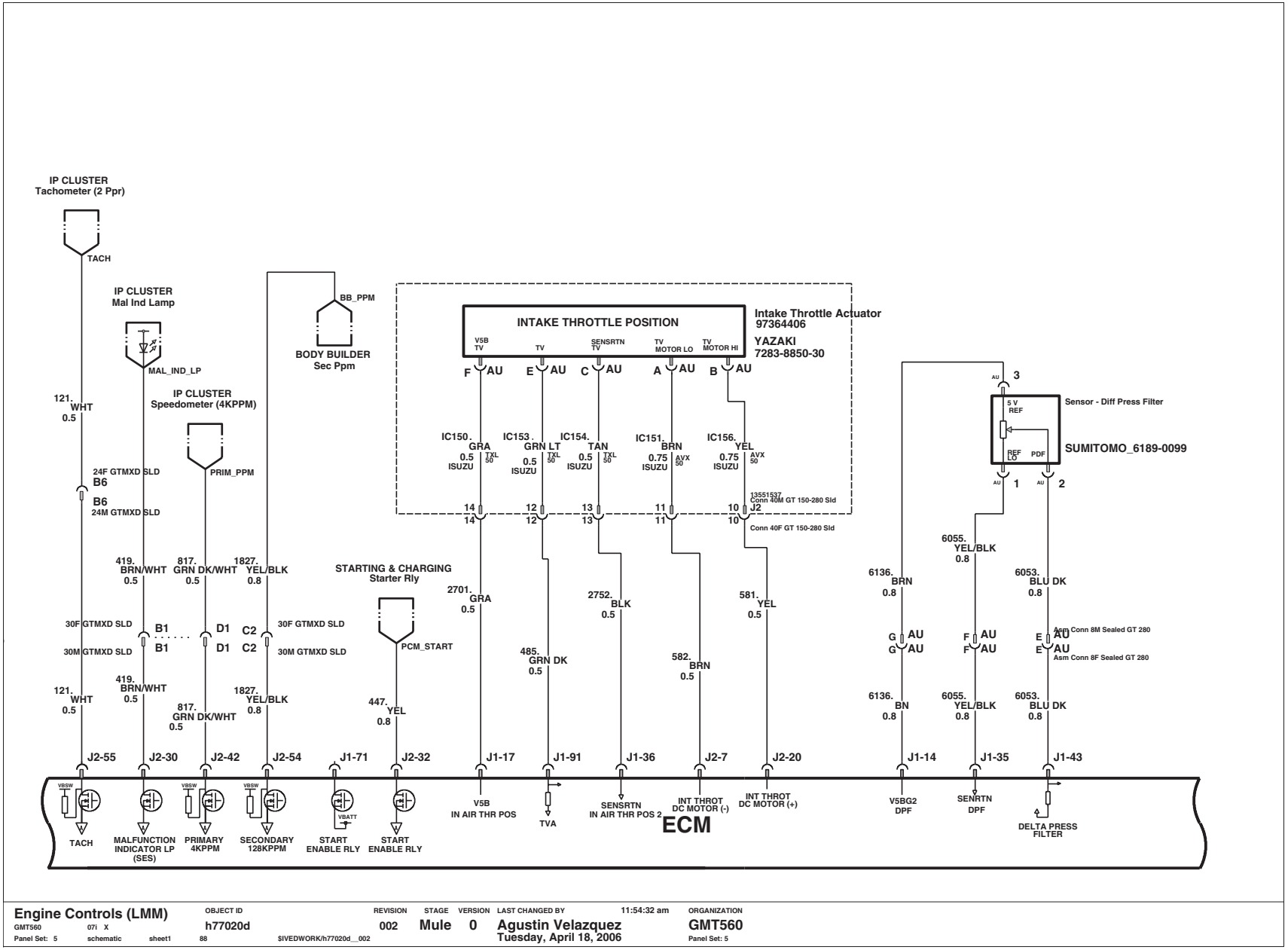
Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	11:54:32 am	ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez		GMT560
Panel Set: 3 schematic sheet1 88 $IVEDWORK/h77020d__002					Tuesday, April 18, 2006		Panel Set: 3

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



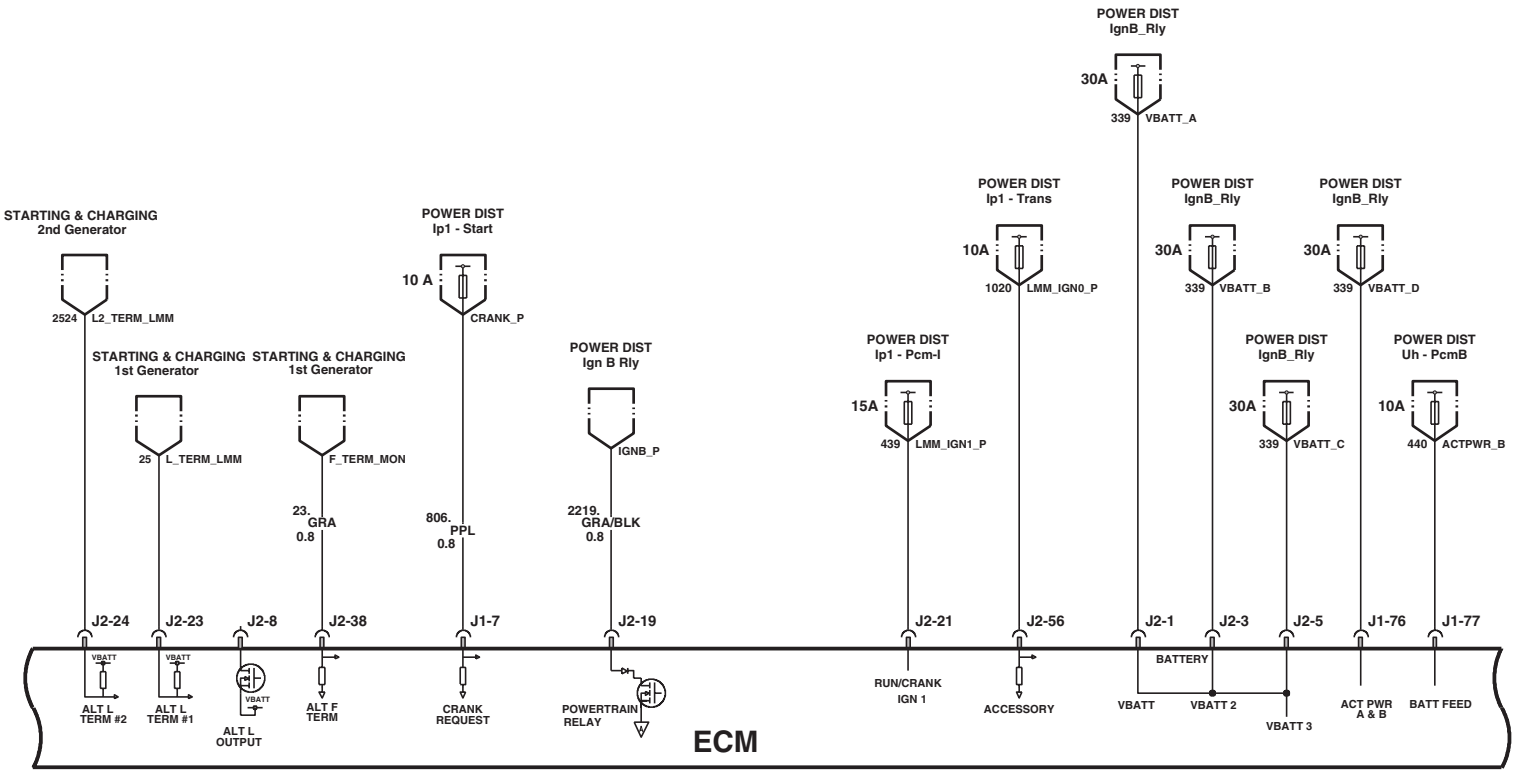
Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez	11:54:32 am	GMT560
Panel Set: 4 schematic sheet1 88	$IVEDWORK/h77020d__002				Tuesday, April 18, 2006		Panel Set: 4

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



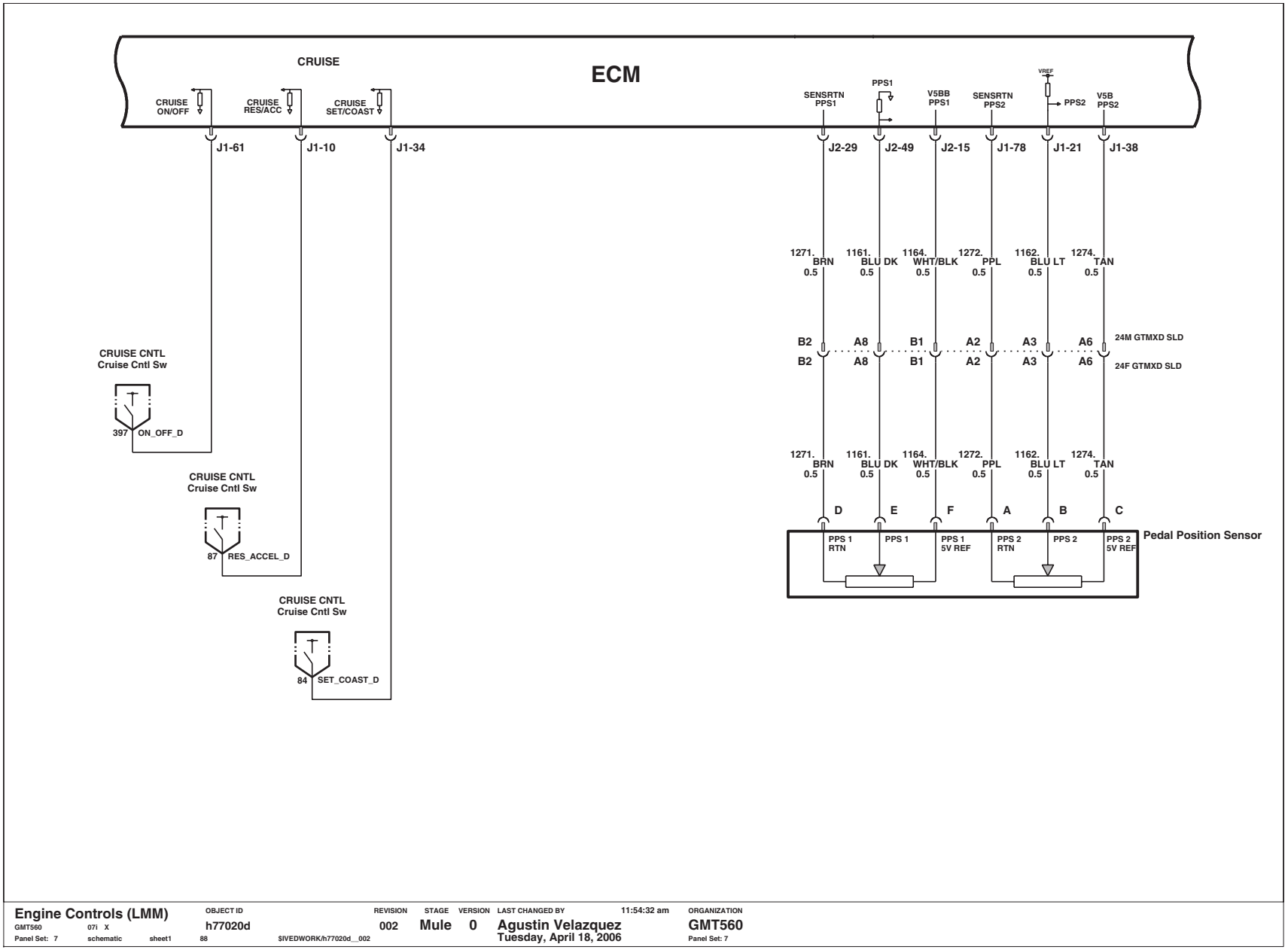
Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	11:54:32 am	ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez		GMT560
Panel Set: 5 schematic sheet1 88	$IVEDWORK/h77020d__002				Tuesday, April 18, 2006		Panel Set: 5

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

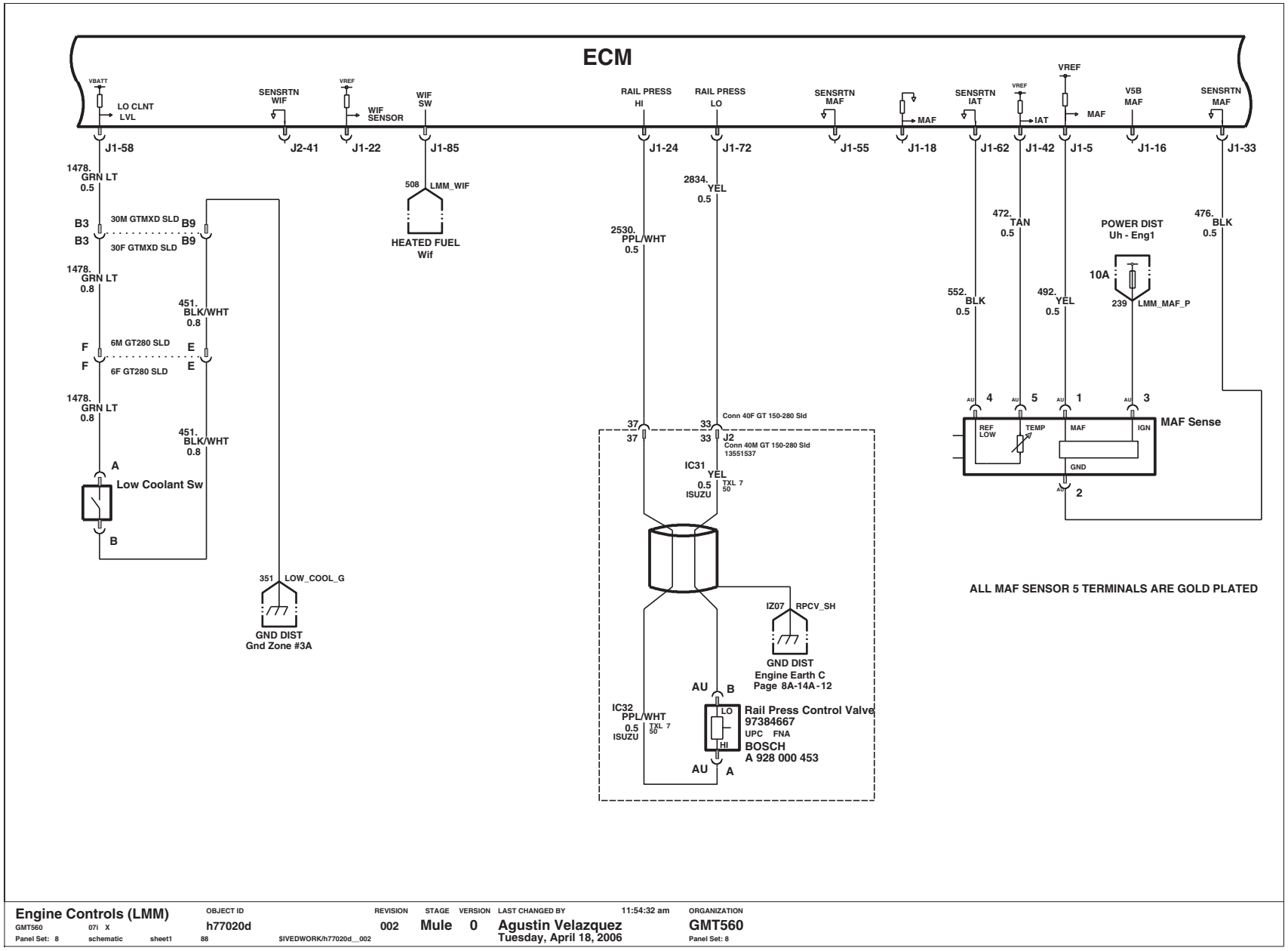


Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	11:54:32 am	ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez		GMT560
Panel Set: 6 schematic sheet1 88	$IVEDWORK/h77020d__002				Tuesday, April 18, 2006		Panel Set: 6

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

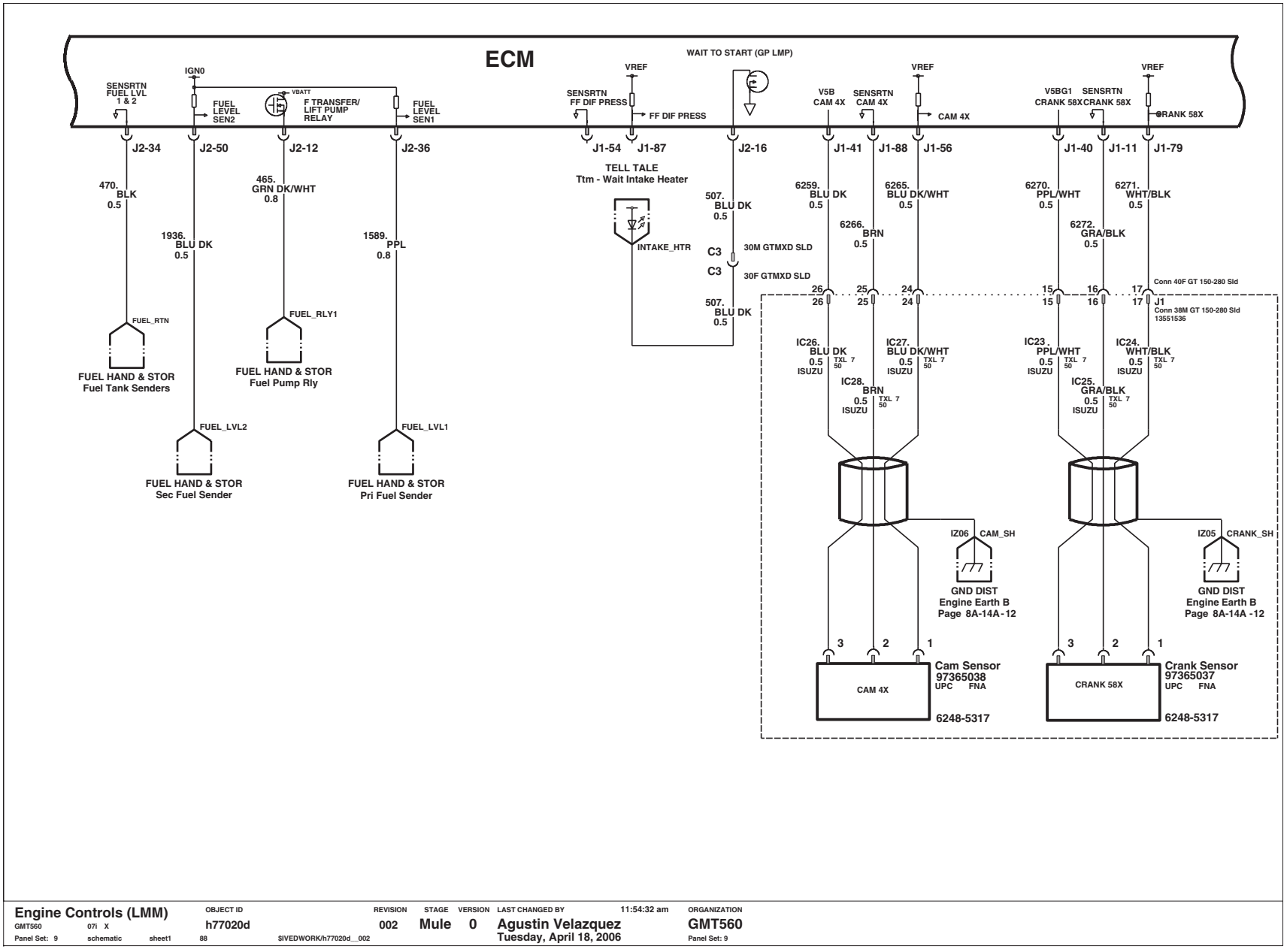


Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



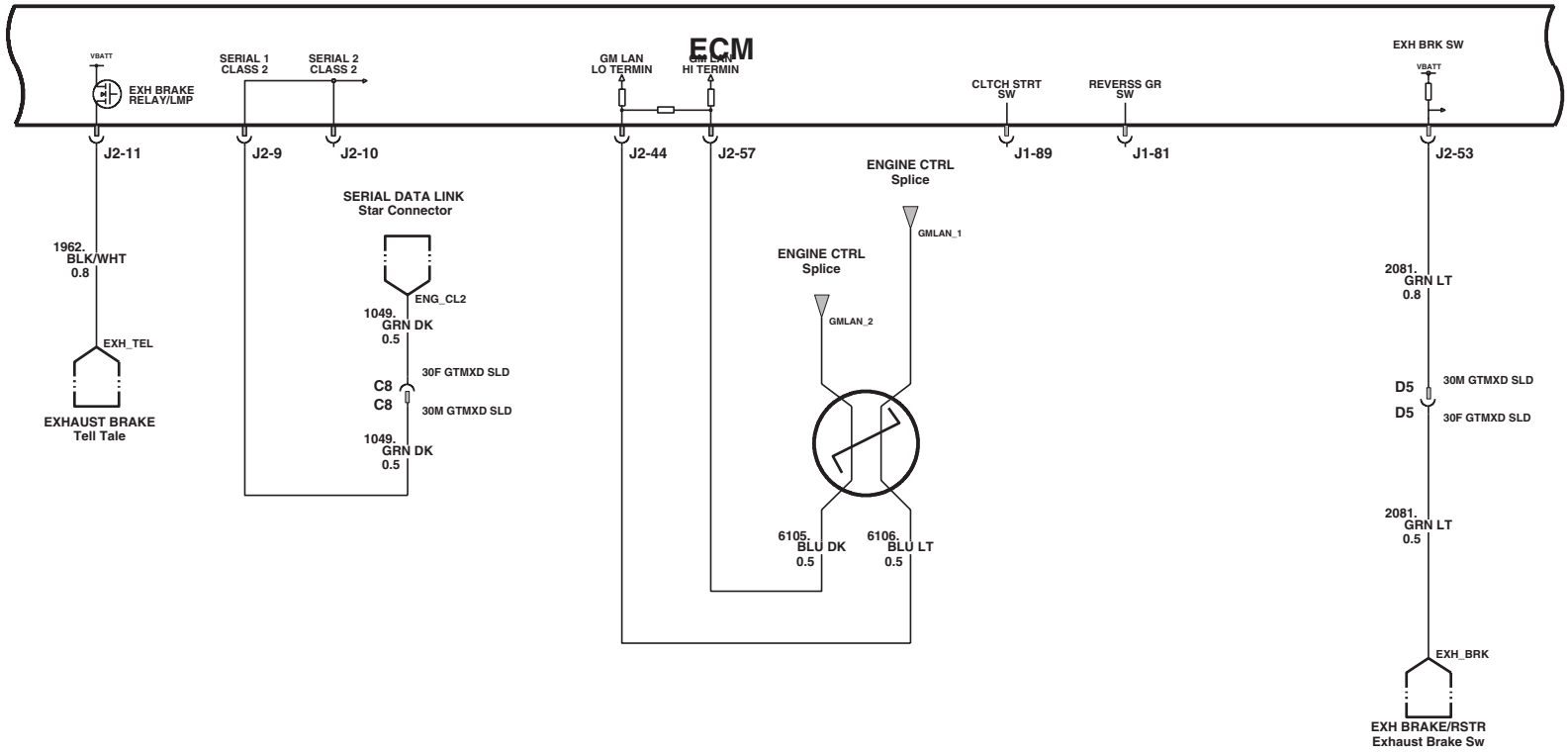
Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	11:54:32 am	ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez		GMT560
Panel Set: 8 schematic sheet1 88	$IVEDWORK/h77020d__002				Tuesday, April 18, 2006		Panel Set: 8

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



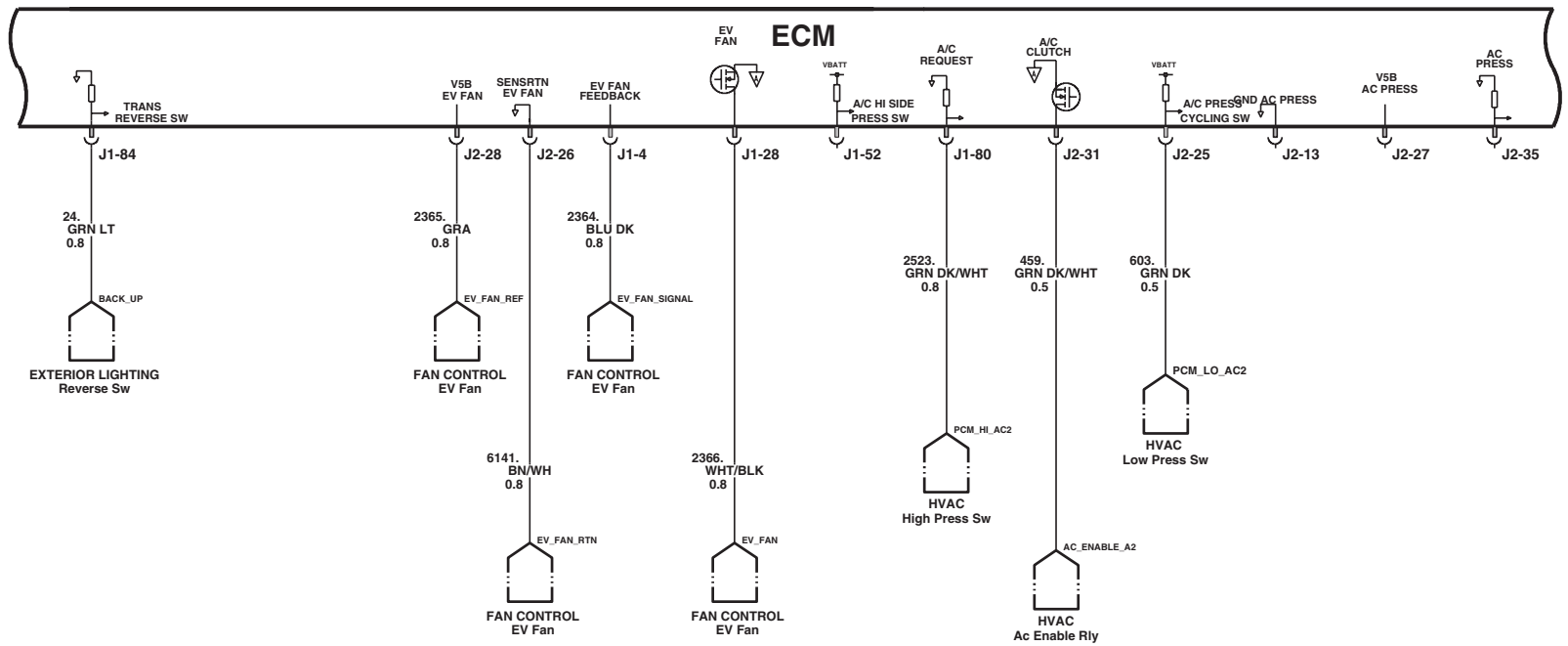
Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez	11:54:32 am	GMT560
Panel Set: 9 schematic sheet1 88	$IVEDWORK/h77020d__002				Tuesday, April 18, 2006		Panel Set: 9

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



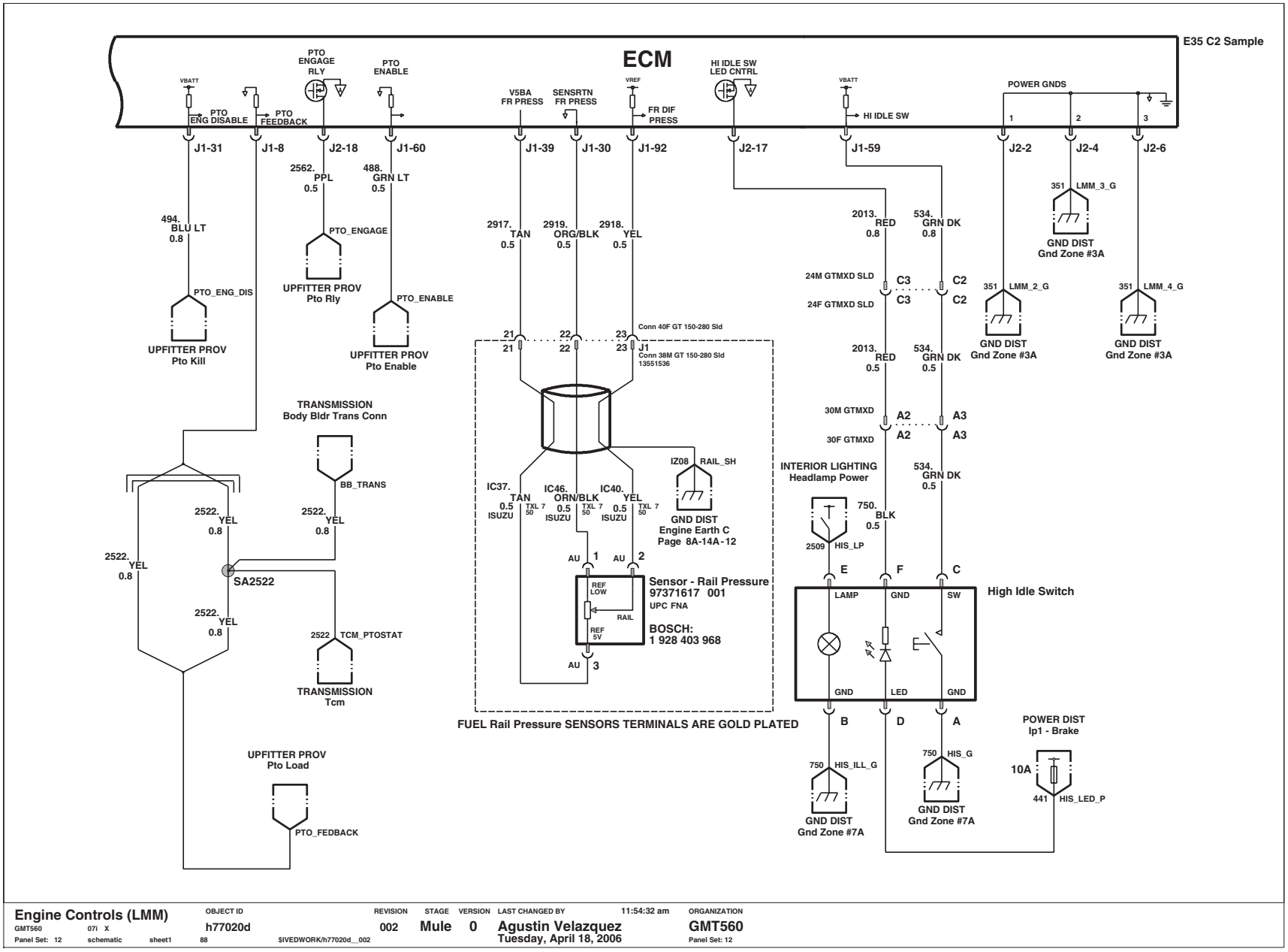
Engine Controls (LMM)	OBJECT ID		REVISION	STAGE	VERSION	LAST CHANGED BY	11:54:32 am	ORGANIZATION
GMT560 07i X	**h77020d**		**002**	**Mule**	**0**	**Agustin Velazquez**		**GMT560**
Panel Set: 10 schematic sheet1 88	$IVEDWORK/h77020d__002					**Tuesday, April 18, 2006**		Panel Set: 10

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



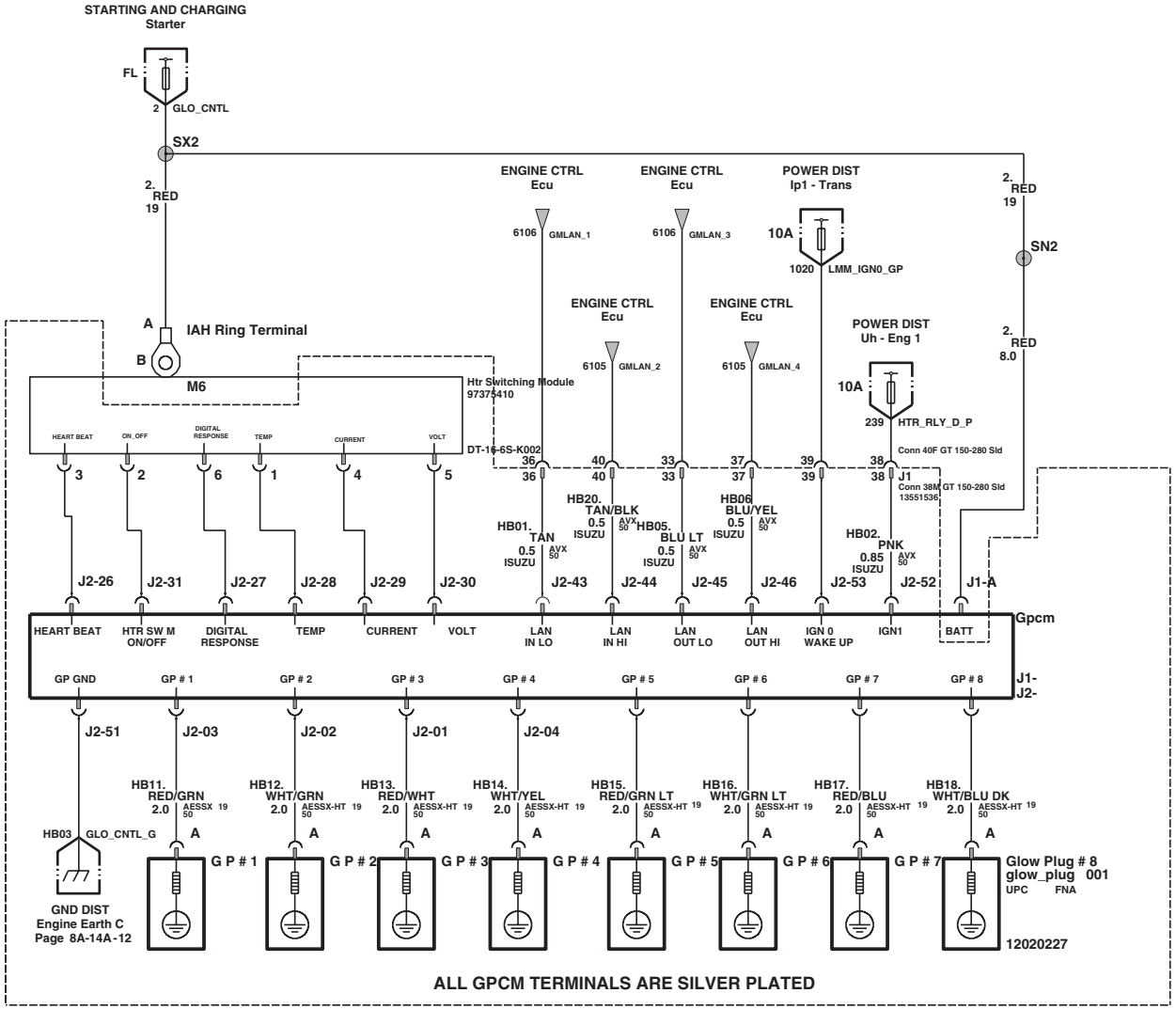
Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez	11:54:32 am	GMT560
Panel Set: 11 schematic sheet1 88	$IVEDWORK/h77020d__002				Tuesday, April 18, 2006		Panel Set: 11

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



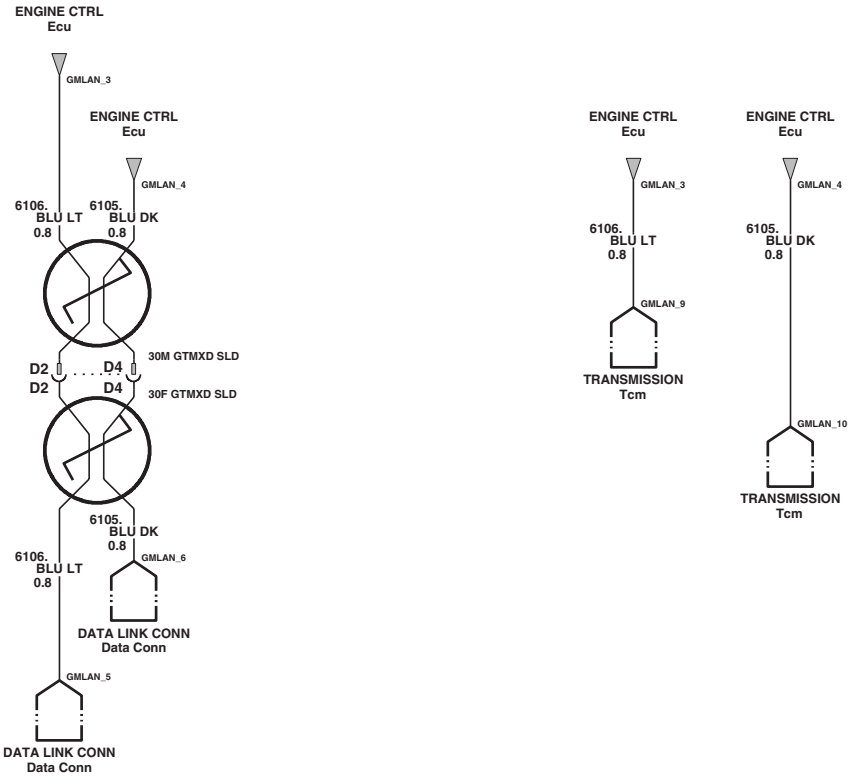
Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez	11:54:32 am	GMT560
Panel Set: 12 schematic sheet1 88	$IVEDWORK/h77020d__002				Tuesday, April 18, 2006		Panel Set: 12

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)



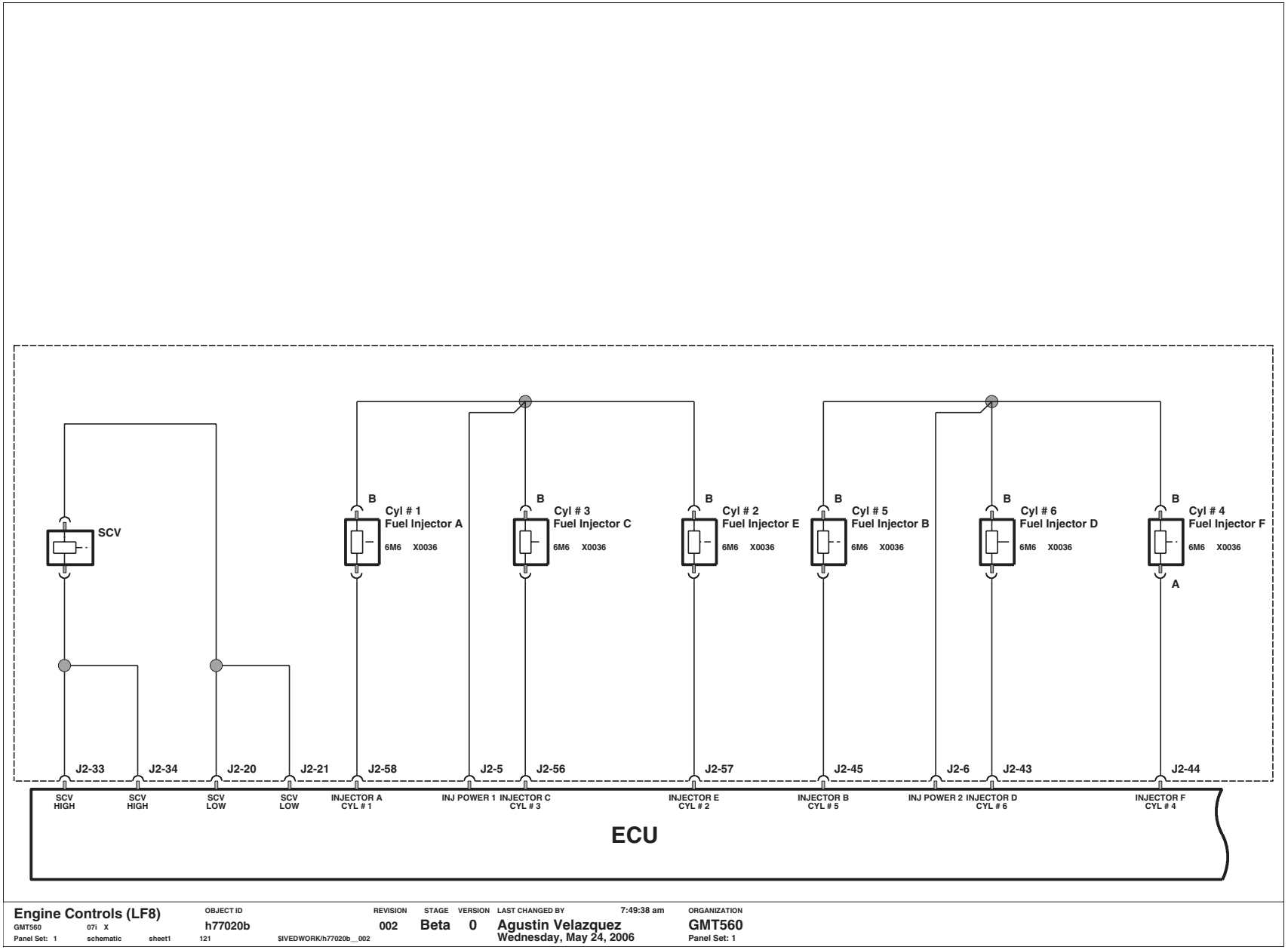
Engine Controls (LMM)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020d	002	Mule	0	Agustin Velazquez	11:54:32 am	GMT560
Panel Set: 13 schematic sheet1 88	$IVEDWORK/h77020d__002				Tuesday, April 18, 2006		Panel Set: 13

Engine Controls (LMM) 6.6L V8 Isuzu DURAMAX® - Diesel w/2007i Emissions (continued)

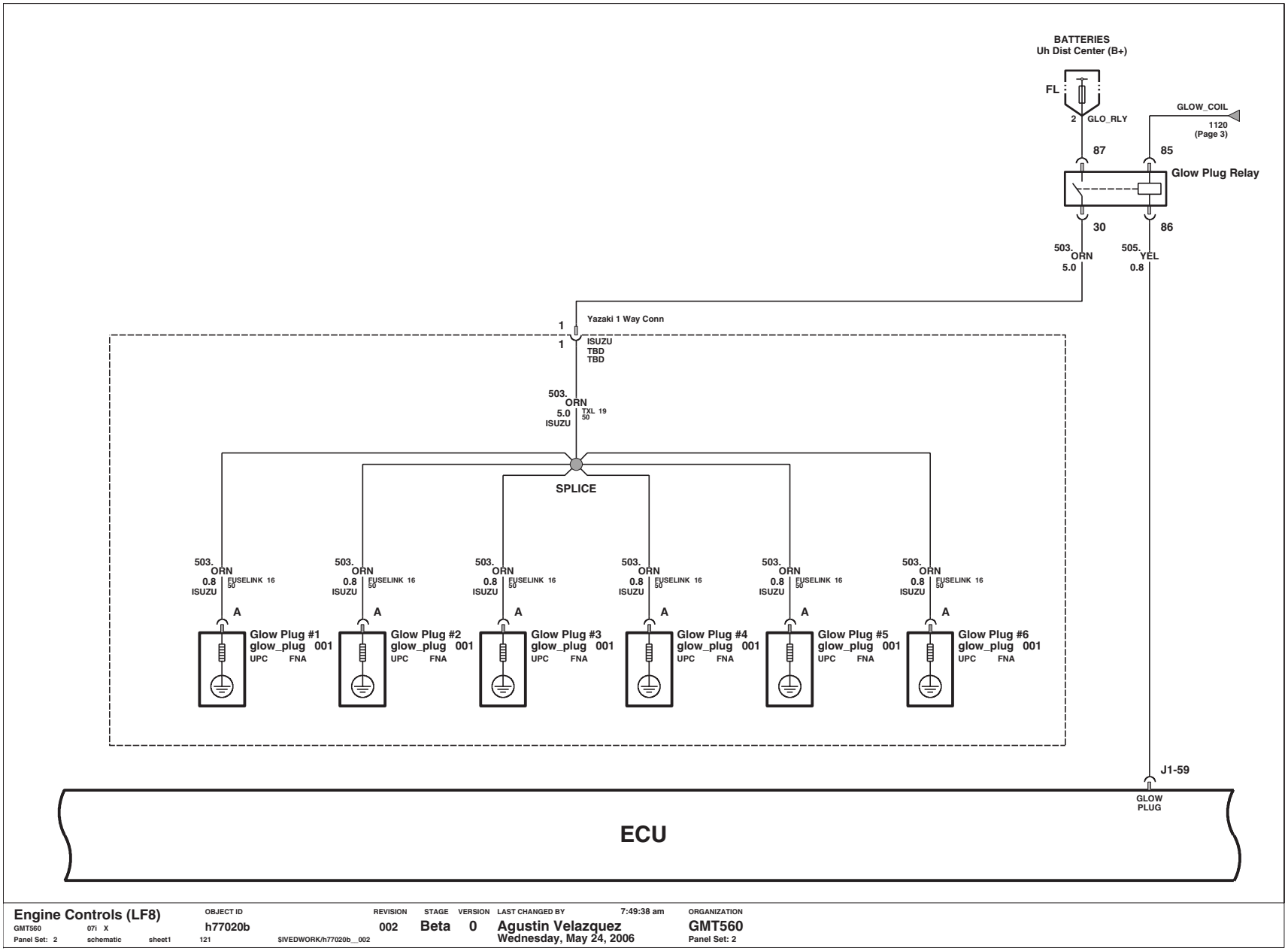


Engine Controls (LMM)			OBJECT ID		REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560	07i X		h77020d		002	X	0	Agustin Velazquez		GMT560
Panel Set: 14	schematic	sheet1 88	$IVEDWORK/h77020d__002					Tuesday, April 18, 2006	11:54:32 am	Panel Set: 14

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions

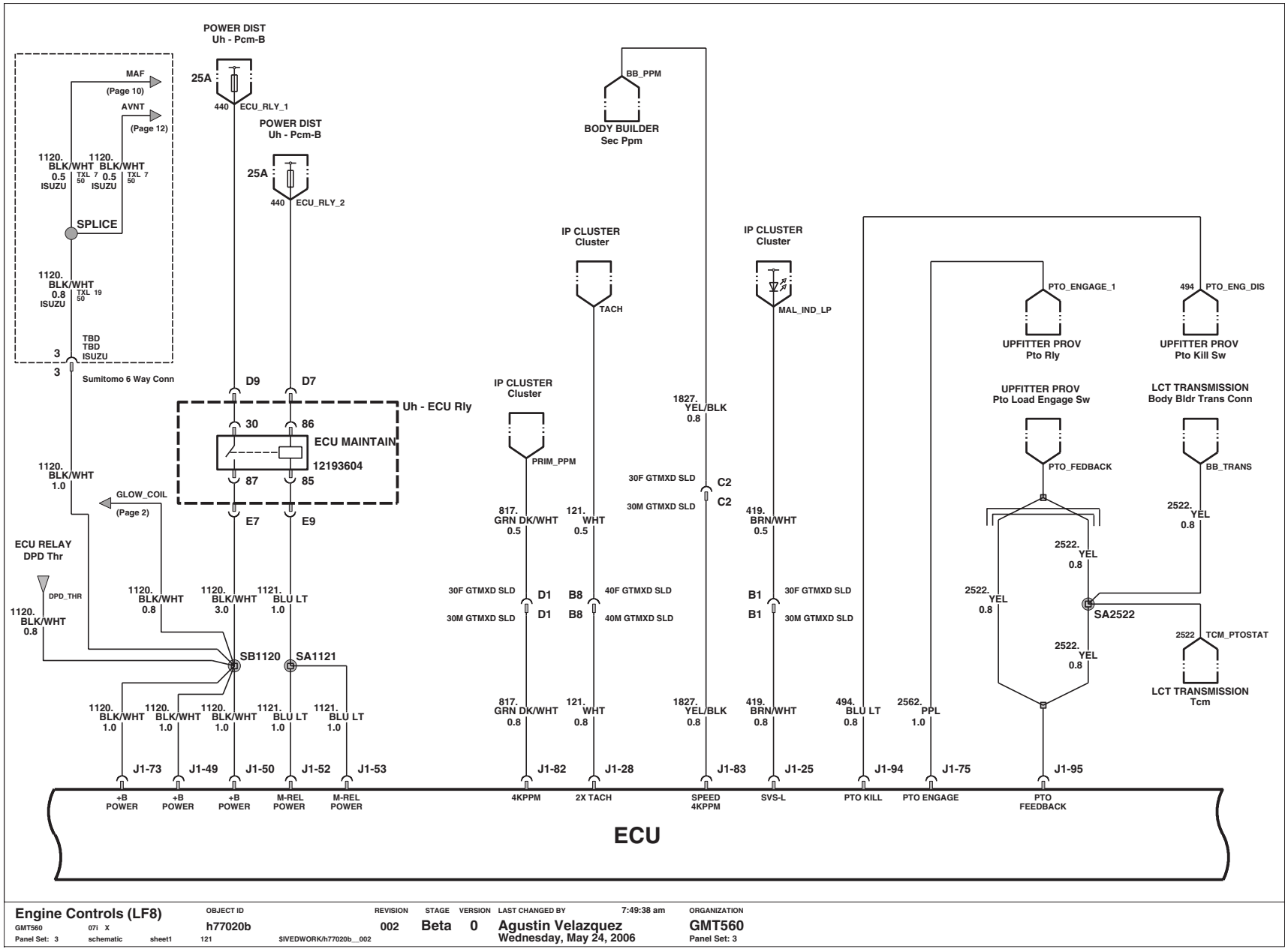


Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



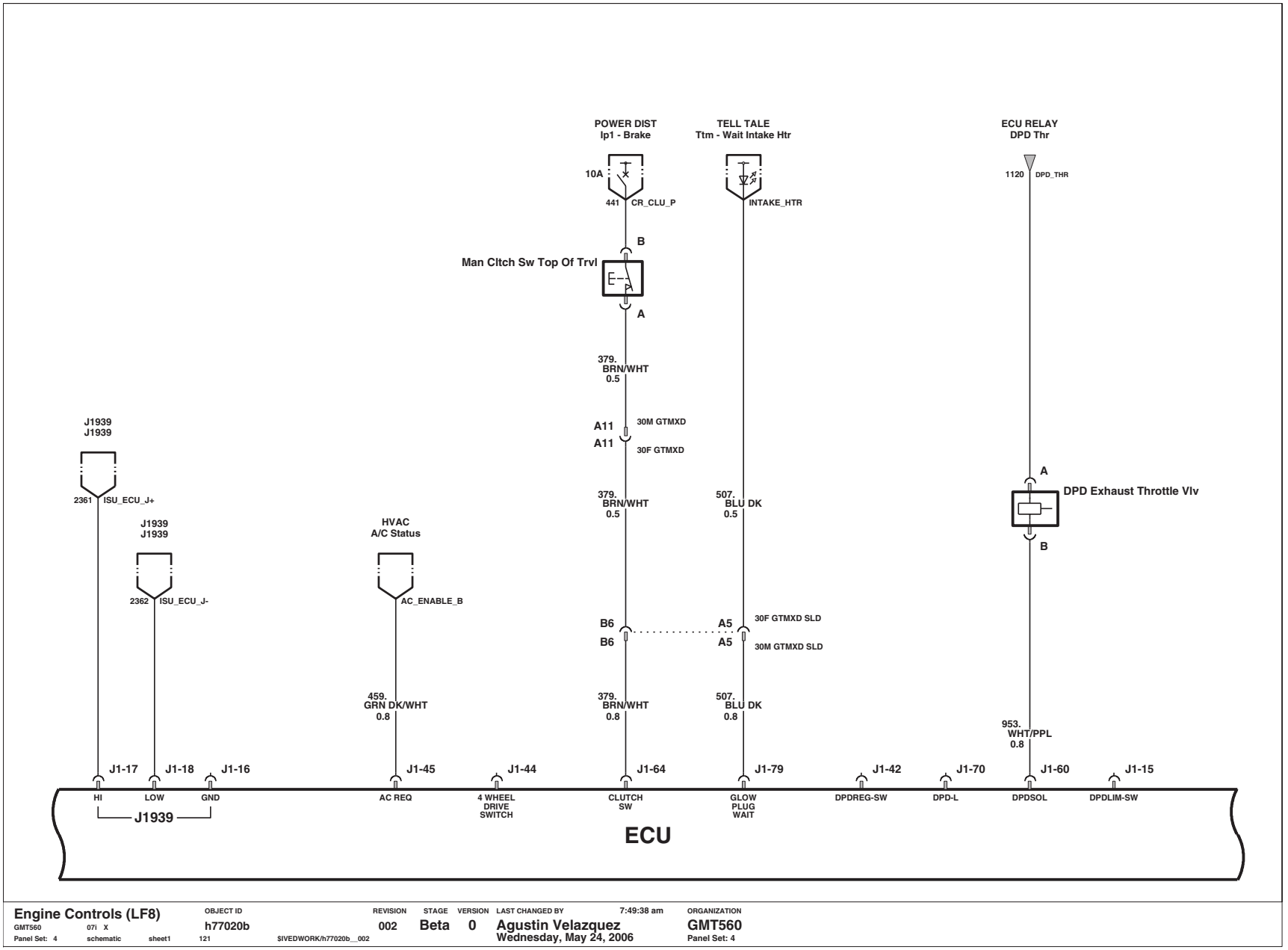
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:49:38 am	ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 2 schematic sheet1 121 $IVEDWORK/h77020b__002					Wednesday, May 24, 2006		Panel Set: 2

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



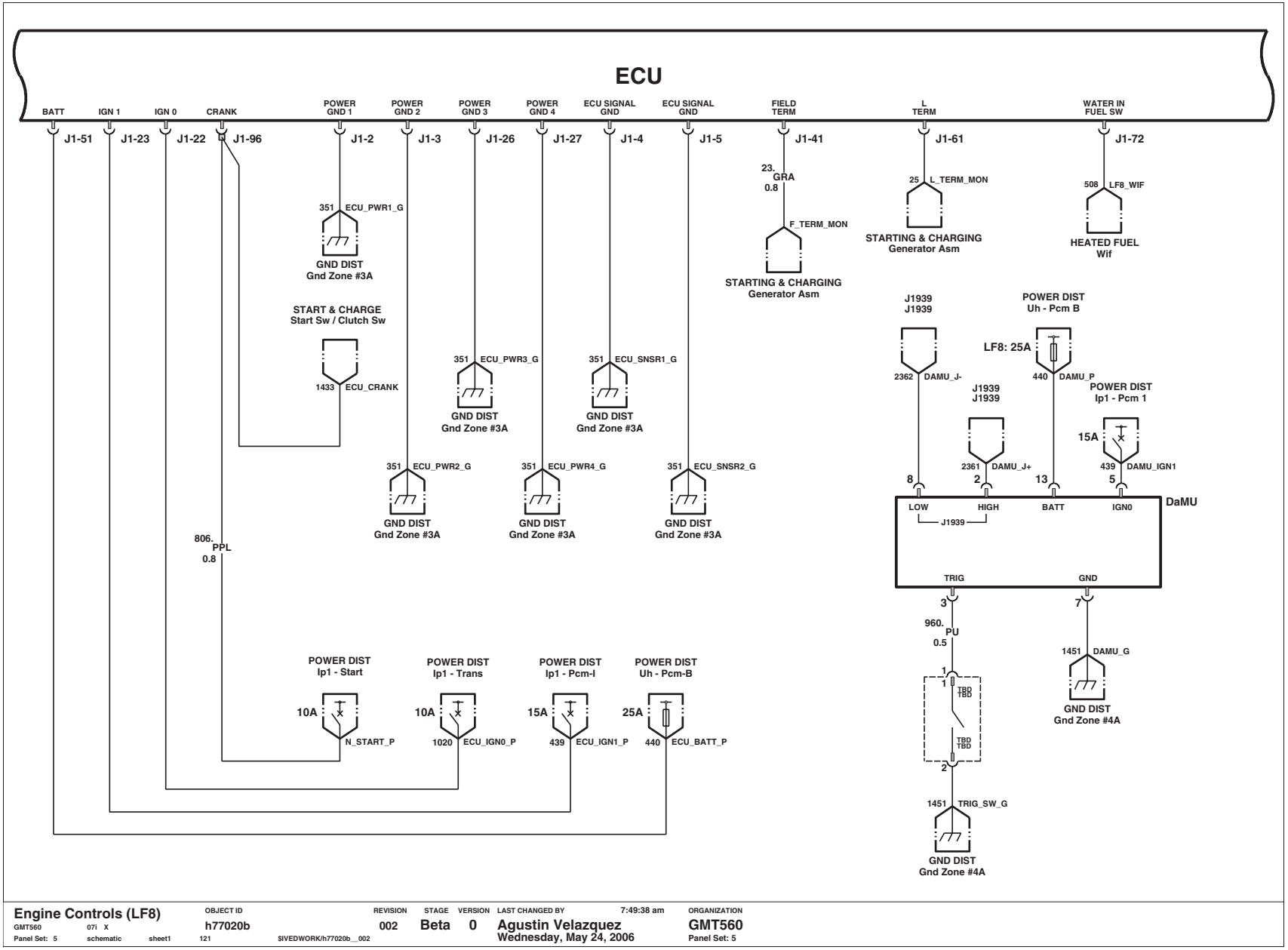
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:49:38 am	ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 3 schematic sheet1 121	$IVEDWORK/h77020b__002				Wednesday, May 24, 2006		Panel Set: 3

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



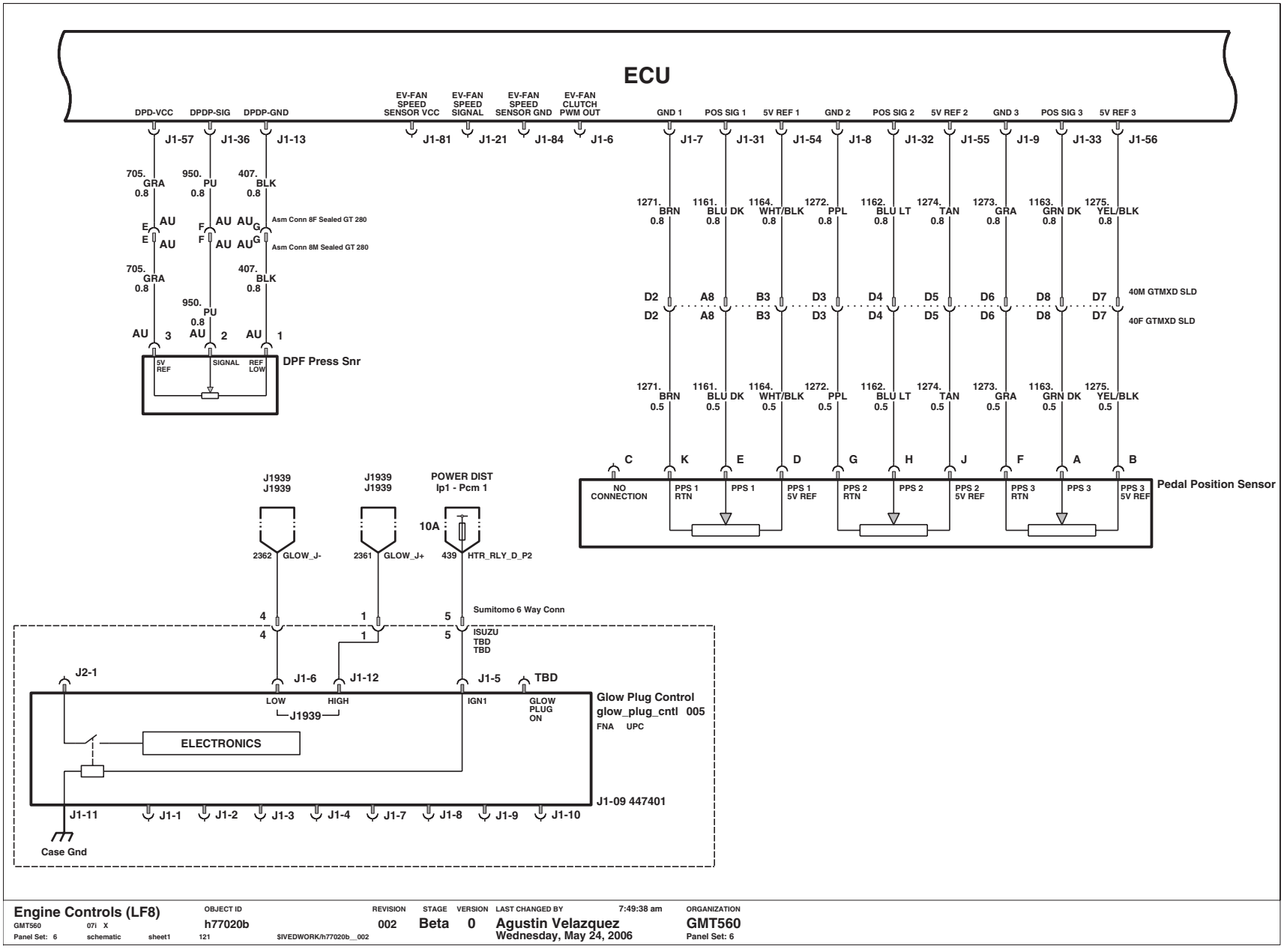
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:49:38 am	ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 4 schematic sheet1 121	$IVEDWORK/h77020b__002				Wednesday, May 24, 2006		Panel Set: 4

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



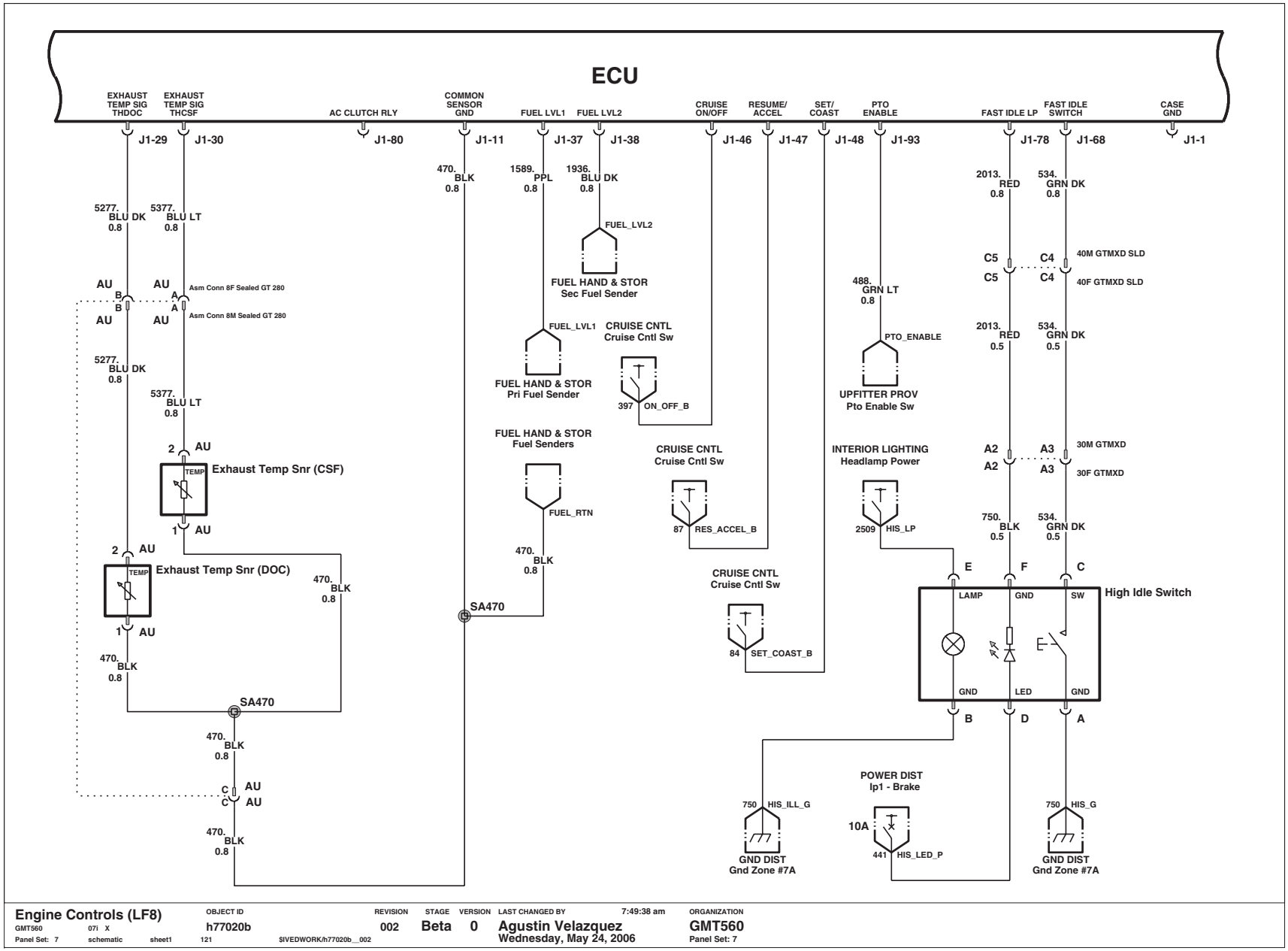
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez	7:49:38 am	GMT560
Panel Set: 5 schematic sheet1 121	$IVEDWORK/h77020b__002				Wednesday, May 24, 2006		Panel Set: 5

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



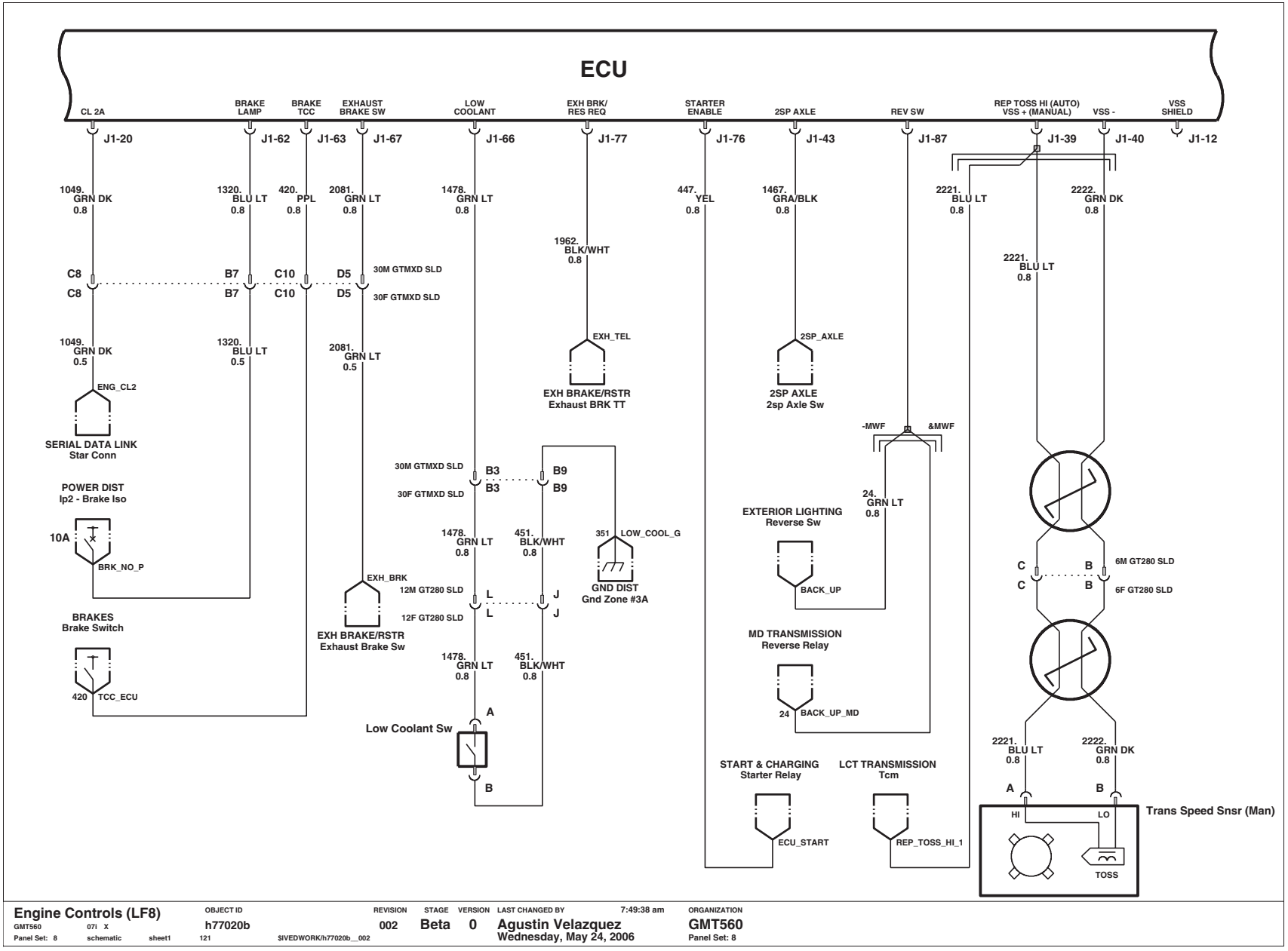
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez	7:49:38 am	GMT560
Panel Set: 6 schematic sheet1 121	$IVEDWORK/h77020b__002				Wednesday, May 24, 2006		Panel Set: 6

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



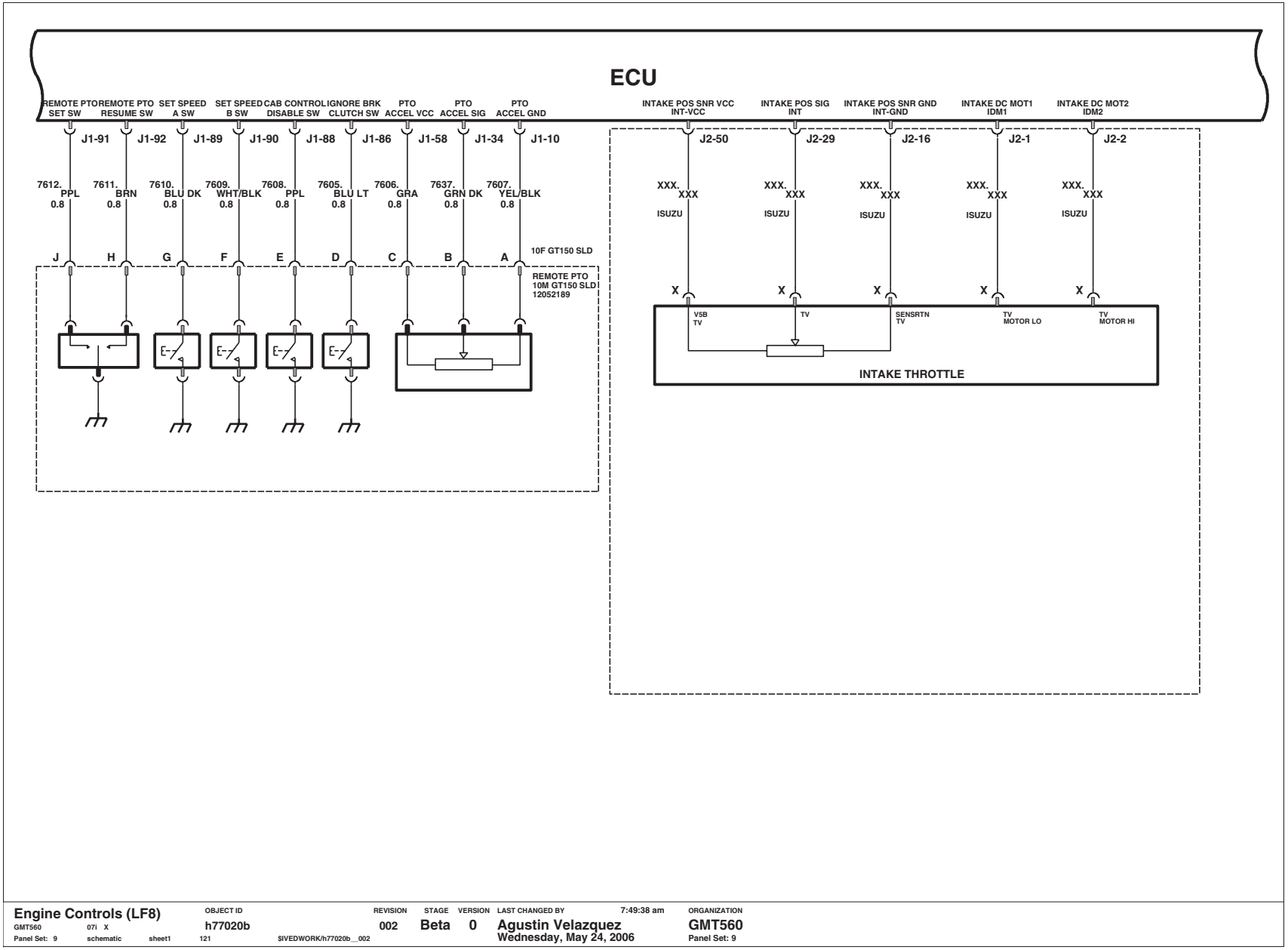
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez	7:49:38 am	GMT560
Panel Set: 7 schematic sheet1 121 $IVEDWORK/h77020b__002					Wednesday, May 24, 2006		Panel Set: 7

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



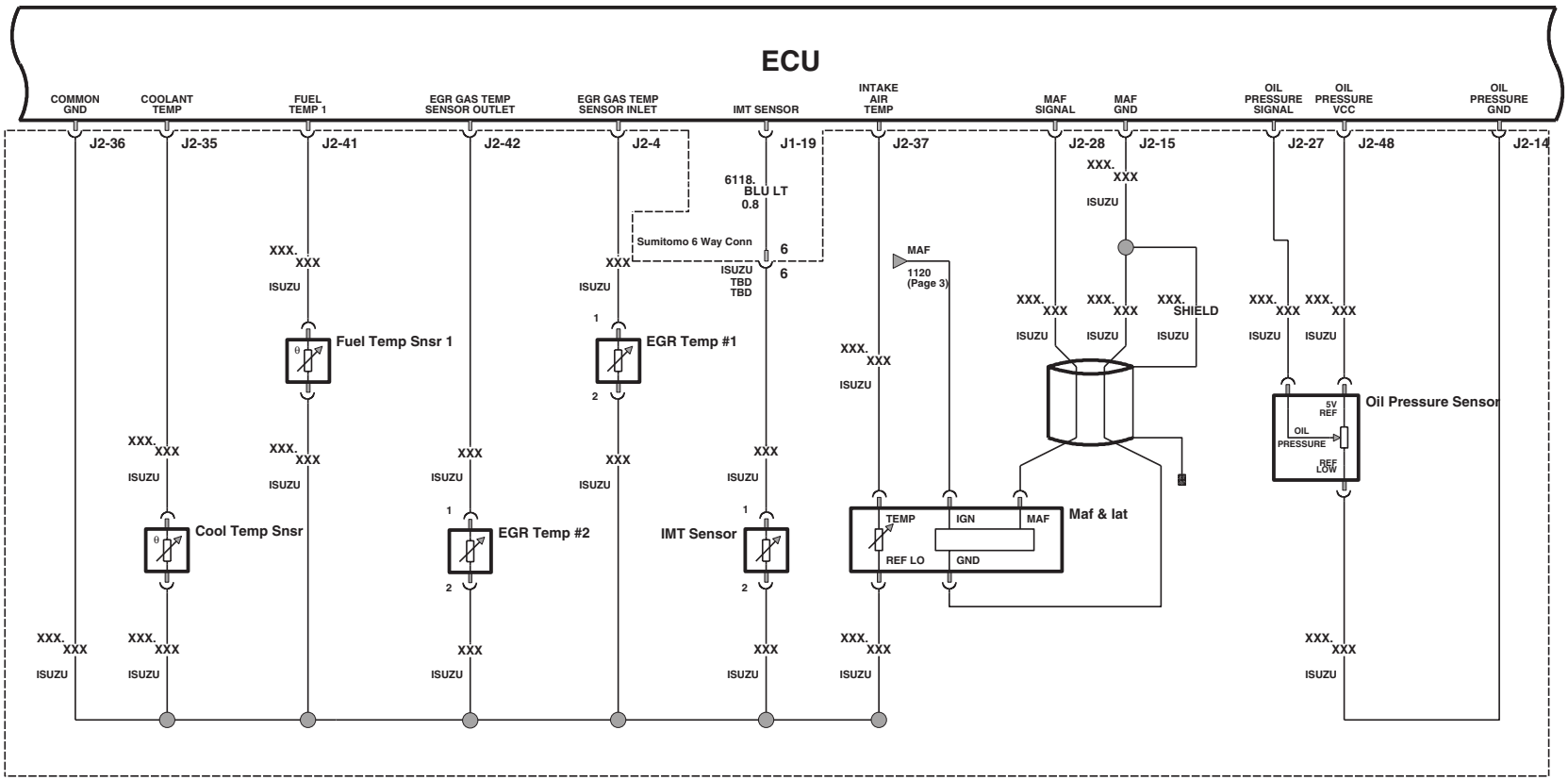
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez	7:49:38 am	GMT560
Panel Set: 8 schematic sheet1 121 $IVEDWORK/h77020b__002					Wednesday, May 24, 2006		Panel Set: 8

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



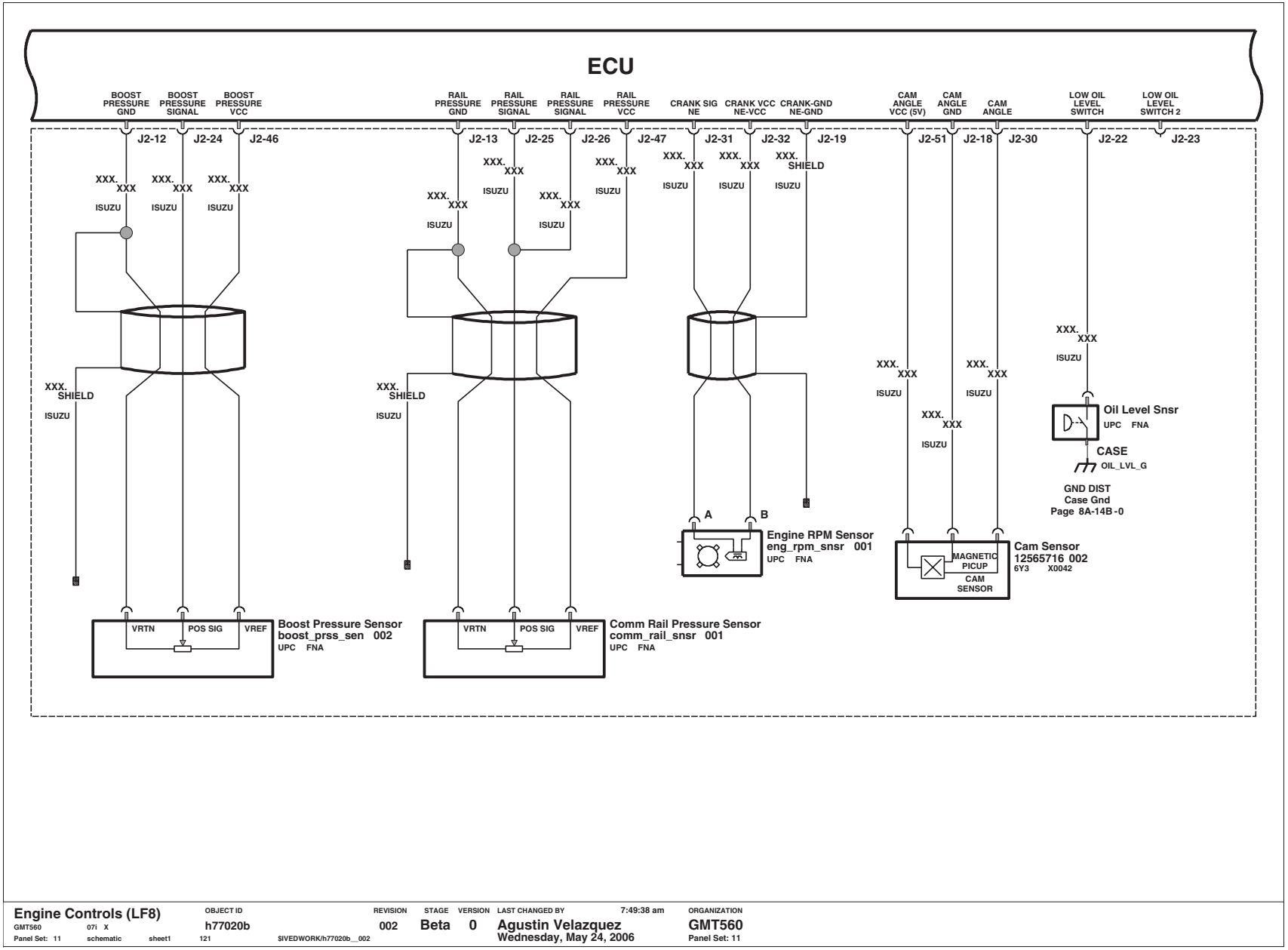
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez	7:49:38 am	GMT560
Panel Set: 9 schematic sheet1 121	$IVEDWORK/h77020b__002				Wednesday, May 24, 2006		Panel Set: 9

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



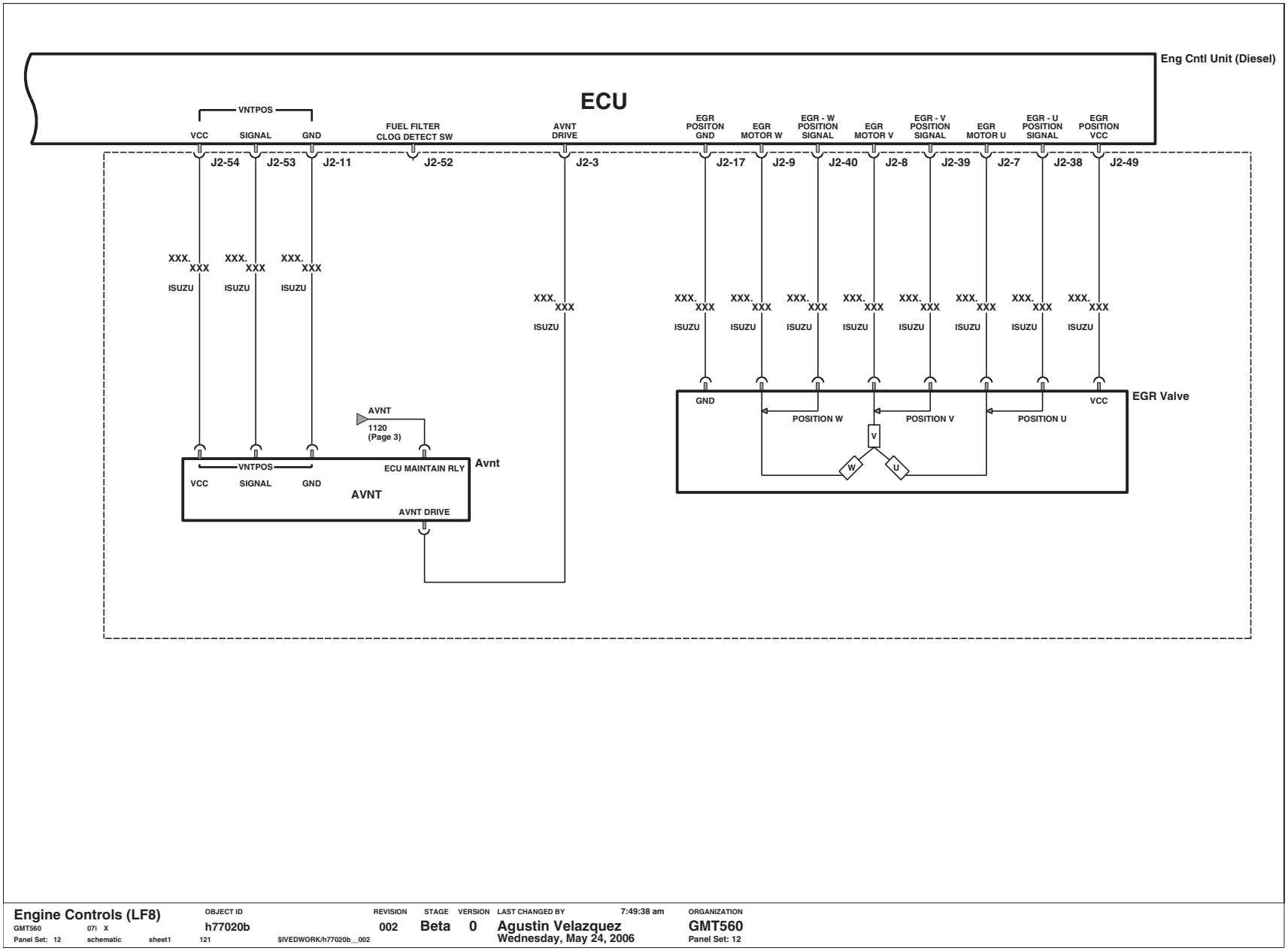
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY	7:49:38 am	ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez		GMT560
Panel Set: 10 schematic sheet1 121	$IVEDWORK/h77020b__002				Wednesday, May 24, 2006		Panel Set: 10

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



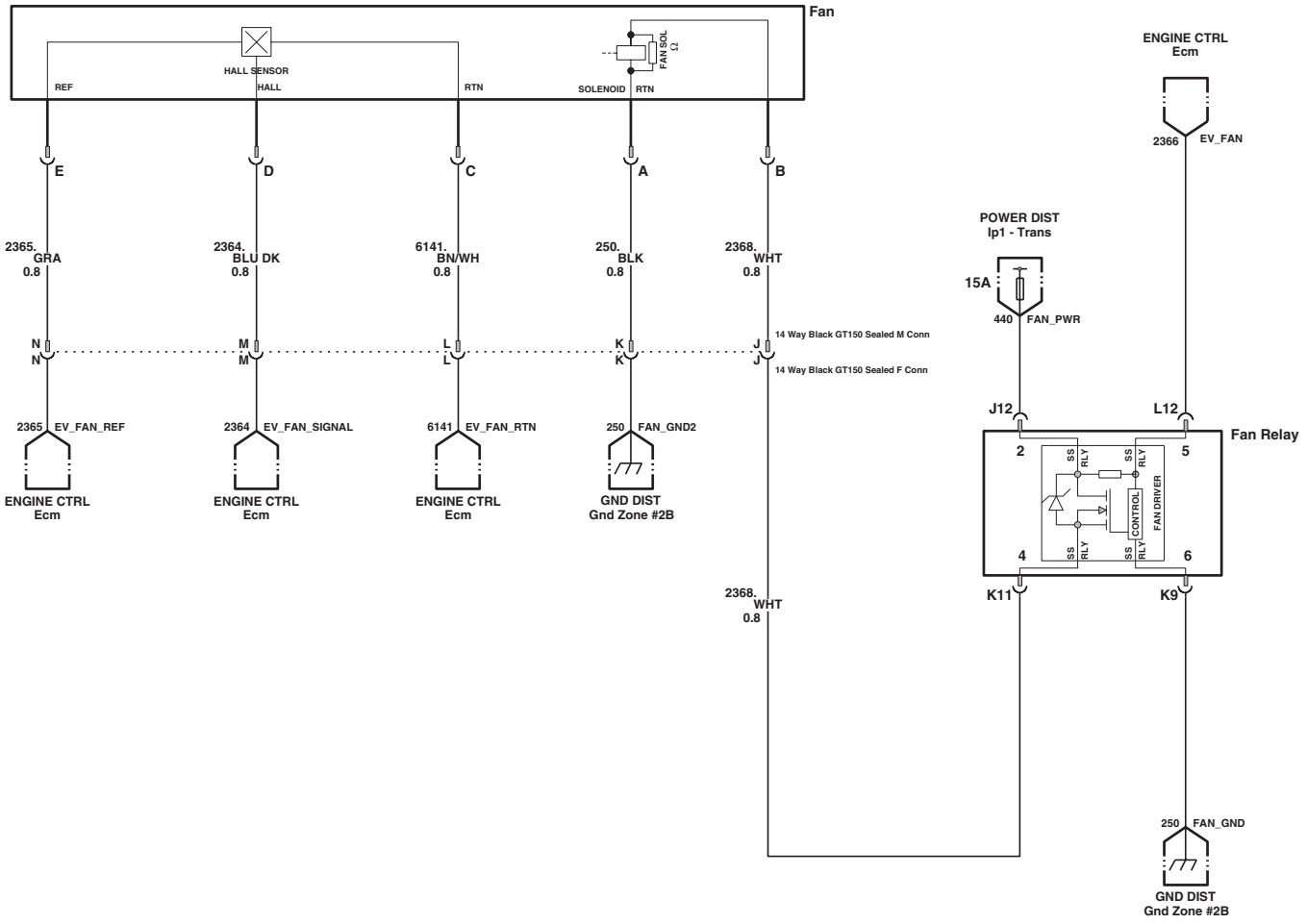
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez	7:49:38 am	GMT560
Panel Set: 11 schematic sheet1 121	$IVEDWORK/h77020b__002				Wednesday, May 24, 2006		Panel Set: 11

Engine Controls (LF8) 7.8L L6 Isuzu 6H - Diesel w/2007i Emissions (continued)



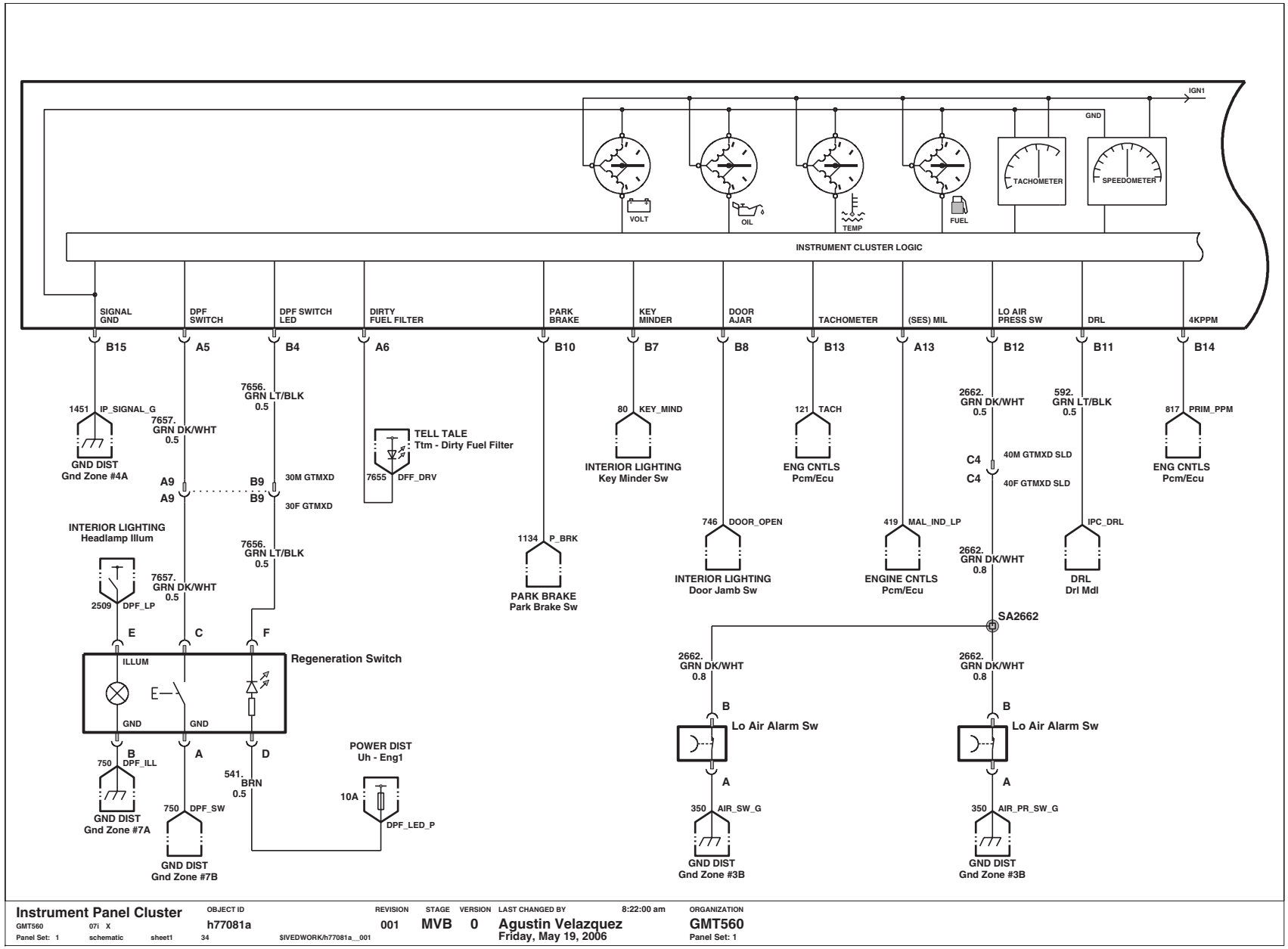
Engine Controls (LF8)	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77020b	002	Beta	0	Agustin Velazquez	7:49:38 am	GMT560
Panel Set: 12 schematic sheet1 121 $IVEDWORK/h77020b__002					Wednesday, May 24, 2006		Panel Set: 12

Fan Controls



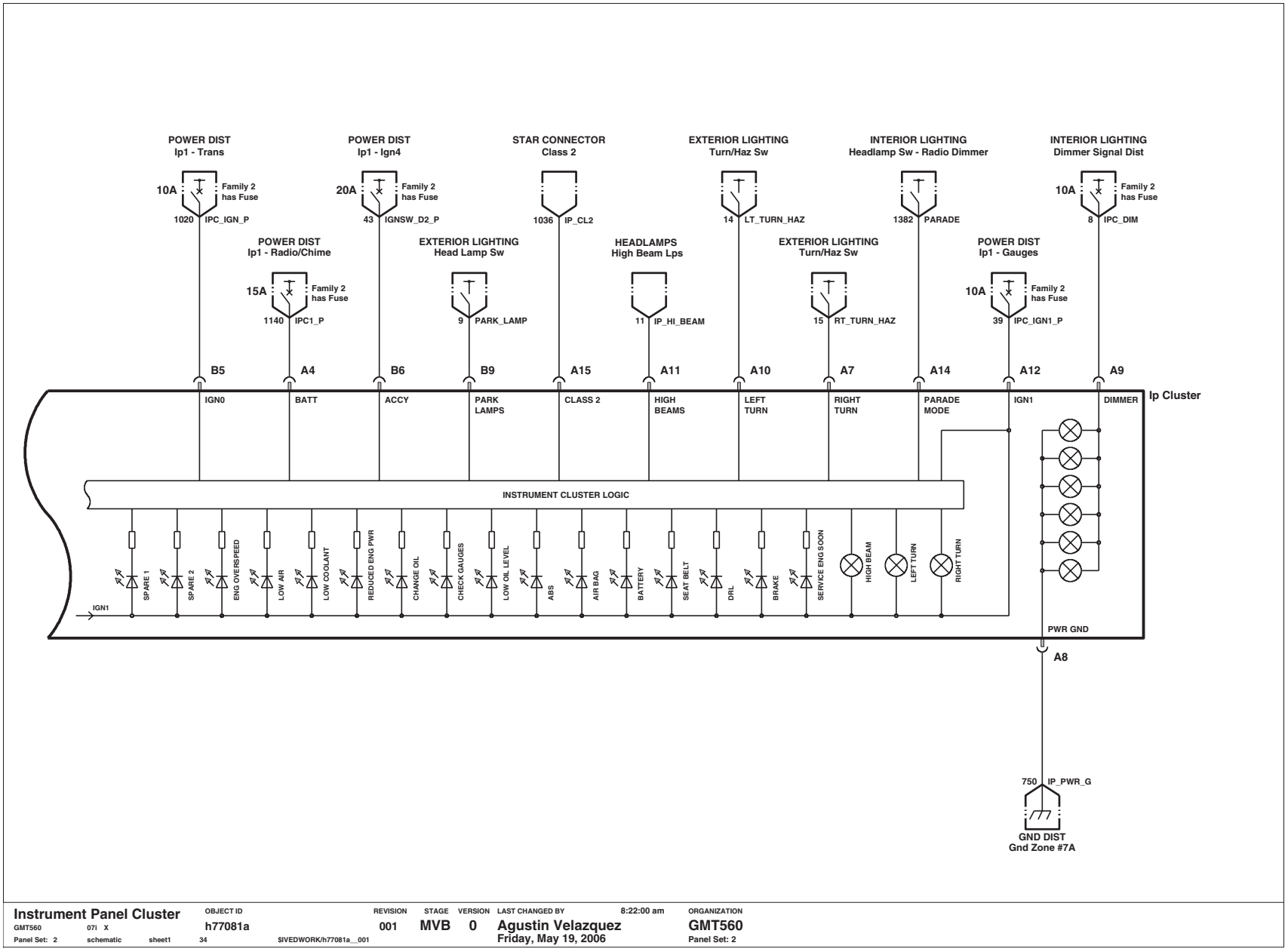
Fan Controls: MDD Fan			OBJECT ID		REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560	07i X		h77031a		001	X	0	Agustin Velazquez		GMT560
Panel Set: 1	schematic	sheet1	32	$IVEDWORK/h77031a__001				Tuesday, March 14, 2006	1:04:30 pm	Panel Set: 1

Displays - (IPC) Instrument Panel Cluster



Instrument Panel Cluster	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77081a	001	MVB	0	Agustin Velazquez	8:22:00 am	GMT560
Panel Set: 1 schematic sheet1 34	$IVEDWORK/h77081a__001				Friday, May 19, 2006		Panel Set: 1

Displays - (IPC) Instrument Panel Cluster (continued)



Instrument Panel Cluster	OBJECT ID	REVISION	STAGE	VERSION	LAST CHANGED BY		ORGANIZATION
GMT560 07i X	h77081a	001	MVB	0	Agustin Velazquez	8:22:00 am	GMT560
Panel Set: 2 schematic sheet1 34	$IVEDWORK/h77081a__001				Friday, May 19, 2006		Panel Set: 2